C. W. Wilson

ONE HUNDRED AND FIFTEENTH

# ANNUAL REPORT

OF THE

# *Massachusetts Eye and Ear Infirmary*

INCORPORATED IN 1827

FOR THE YEAR
1940

OFFICERS AND STAFF
1941

BOSTON · MASSACHUSETTS

# THE MASSACHUSETTS EYE AND EAR INFIRMARY

243 Charles Street, Corner Fruit Street, Boston, Mass.

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The Massachusetts Eye and Ear Infirmary is a charitable Institution supported solely by receipts from patients and voluntary contributions. Only those unable to pay Doctors' fees will be admitted to the Wards or Out-Patient Department.

## OUT-PATIENT DEPARTMENT

The Out-Patient Department is open daily excepting Sundays and legal holidays, from 8 to 10 A.M. for examination and treatment of all persons afflicted with disease of the eye, ear, nose or throat, who are unable to pay a physician. Patients should, whenever possible, bring a letter from their physician recommending admission. In emergencies or unusual situations, the patient may be admitted, the doctor notified and information requested from him as to the medical and social aspects of the case. A patient may also be admitted by giving satisfactory evidence that he is not and has not been under treatment by a physician, and that he cannot afford to pay for examination and treatment by a private physician.

Admission fee: Adults, seventy-five cents first visit, other visits fifty cents; children under sixteen years of age fifty cents first visit, other visits twenty-five cents.

## HOSPITAL WARD SERVICE

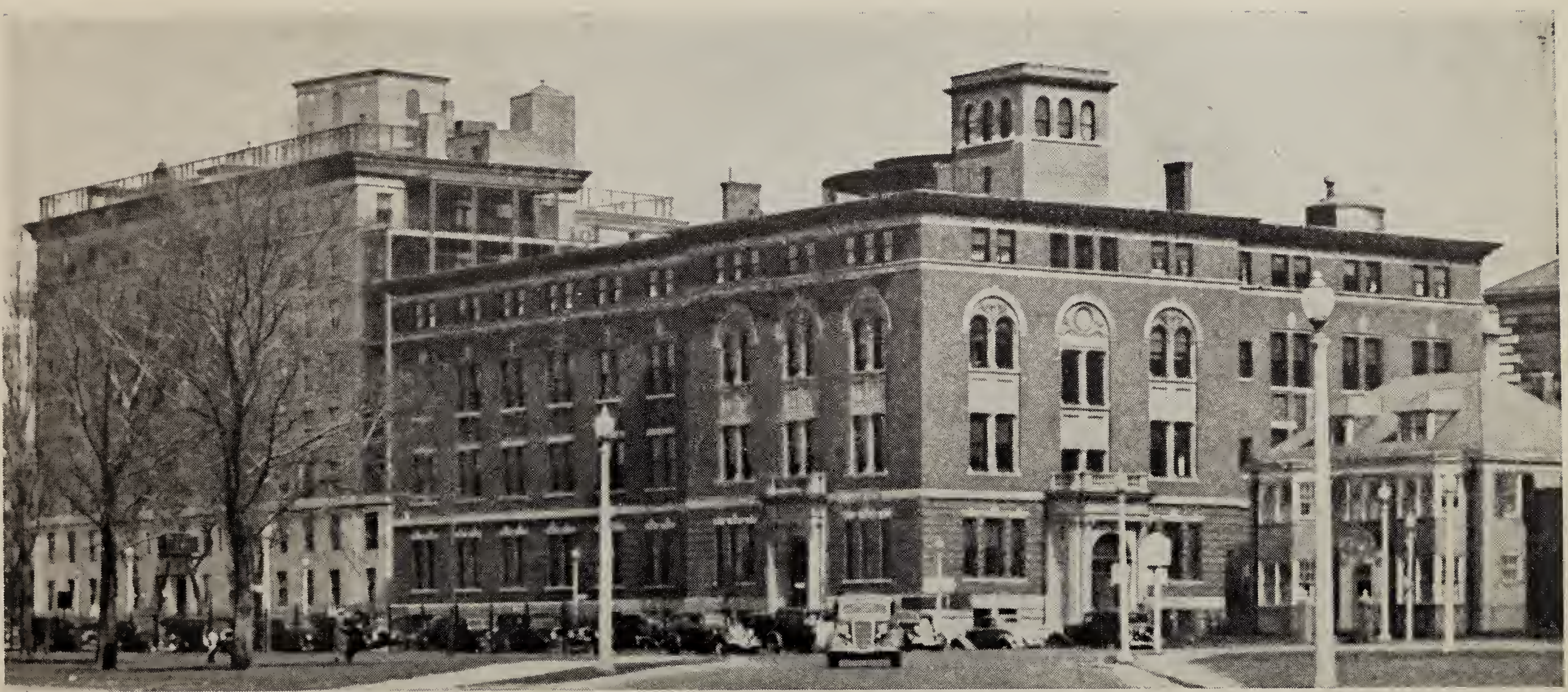
Patients should whenever possible, bring a letter from their doctor recommending admission. If their medical condition after examination by the house officer on duty is found to be suitable, they will be admitted. Persons recommended for admission should come to the Admitting Office, 243 Charles Street, between 9 A.M. and 1 P.M. on week days, excepting legal holidays.

Accident and emergency cases admitted at any time.

Patients admitted to the wards as in-patients will be charged for board at the rate of twenty-four dollars per week, payable in advance, unless some special arrangement is made by the Director. No reduction in rate of board made to those residing outside the Commonwealth of Massachusetts.

## PRIVATE PATIENTS

The Infirmary also provides facilities for the care of private patients of members of the hospital staff. The rates for single rooms range from $7 to $9 a day and accommodations in rooms with five or six beds are $4 a day. Patients are expected to arrange with their physician regarding professional fees.



Massachusetts Eye and Ear Infirmary

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# Officers, 1941

## BOARD OF MANAGERS, 1940-1941

| | |
|---|---|
| 1893-95<br>1907- | Charles P. Curtis, 71 Ames Building |
| 1903 | Russell G. Fessenden, 17 Court Street |
| 1914 | James Dean, 201 Devonshire Street |
| 1914 | James C. Howe, 1005 Exchange Building |
| 1925 | Leverett Saltonstall, 82 Devonshire Street |
| 1929 | Walter H. Trumbull, Weston, Mass. |
| *1934 | Patrick A. O'Connell, 154 Tremont Street |
| 1934 | Frank G. Allen, 248 Summer Street |
| 1934 | Robert F. Bradford, 49 Federal Street |
| 1935 | William A. Parker, 1 Court Street |
| 1937 | Henry Hixon Meyer, 820 Exchange Building |
| *1939 | Dr. George L. Tobey, Jr., 403 Commonwealth Avenue. |
| 1940 | Mrs. Richard Cary Curtis, 215 Warren Street, Brookline, Mass. |
| 1940 | Horace W. Frost, 74 State Street |

*President*

Russell G. Fessenden

*Secretary*

James C. Howe

*Treasurer*

James Dean

*Executive Committee*

Russell G. Fessenden
Robert F. Bradford
James Dean
Henry H. Meyer

*Finance Committee*

Russell G. Fessenden
James Dean
William A. Parker

*Advisory Committee*

Social Service Department

Charles T. Porter, M.D.
Paul A. Chandler, M.D.
Henry H. Meyer
William A. Parker
Mrs. William B. Snow, Jr.
Mrs. Leslie Soule

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*Appointed by the Commonwealth

## VISITING COMMITTEE

| | | | |
|---|---|---|---|
| January | Mrs. R. C. Curtis<br>Mr. Allen | July | Mr. Trumbull<br>Mr. Fessenden |
| February | Mr. Allen<br>Mr. Meyer | August | Mr. Fessenden<br>Mr. Howe |
| March | Mr. Meyer<br>Mr. Frost | September | Mr. Howe<br>Mr. Bradford |
| April | Mr. Frost<br>Mr. C. P. Curtis | October | Mr. Bradford<br>Mr. Dean |
| May | Mr. C. P. Curtis<br>Mr. Saltonstall | November | Mr. Dean<br>Mr. Parker |
| June | Mr. Saltonstall<br>Mr. Trumbull | December | Mr. Parker<br>Mrs. R. C. Curtis |

## LADIES' VISITING COMMITTEE

Mrs. Sullivan A. Sargent, Jr., *Chairman*
Mrs. Harold Peabody, *Vice-Chairman*
Mrs. Franklin A. Reece, *Secretary*
Mrs. Richard Cary Curtis, *Treasurer*

Mrs. Arlie V. Bock
Mrs. John E. Boit
Mrs. John Bryant
Mrs. Harry P. Cahill
Mrs. Nathaniel D. Clapp
Mrs. Livingston Davis
Mrs. Weld Douglass
Mrs. Reginald Foster
Mrs. Trygve Gundersen
Mrs. George F. Hall
Mrs. Harold L. Higgins
Mrs. Varaztad H. Kazanjian
Mrs. Charles E. Mason
Mrs. William W. McCarthy
Mrs. Harris P. Mosher
Miss Madeline Post
Mrs. John R. Richardson
Mrs. Arthur L. Richmond
Mrs. Edward J. L. Ropes
Mrs. LeRoy A. Schall
Mrs. Herbert B. Shaw
Mrs. Reginald Smithwick
Mrs. William B. Snow, Jr.
Miss Ann Soule
Mrs. Leslie Soule
Mrs. Channing Swan
Mrs. Thomas C. Thacher, Jr.
Mrs. Charles E. Thayer
Mrs. John E. Thayer, Jr.
Mrs. George L. Tobey, Jr.
Mrs. John I. Wylde

## EXECUTIVE OFFICERS

*Director*
Nathaniel W. Faxon, M.D.

*Assistant to the Director*
Annie M. Robertson, R.N.

*Executive Assistants*
Helen McCaskill, R.N.
Ruth M. Hutchinson, R.N.
Walborg L. Peterson, R.N.

*Superintendent of Nurses*
Sally Johnson, R.N.

*Assistant Superintendent of Nurses*
Dorothy M. Tarbox, R.N.

*Social Service Acting Director*
Eunice W. Wilson

*Dietitian*
Isabel F. Cook

*Housekeeper*
Kitrena Akins

*Occupational Therapy Director*
Helen K. Wade, O.T.R.

## STAFF

### DEPARTMENT OF OPHTHALMOLOGY

*Consulting Surgeons in Ophthalmology*
Edwin E. Jack, M.D.
Henry H. Haskell, M.D.
Walter B. Lancaster, M.D.
Fred M. Spalding, M.D.
Peter H. Thompson, M.D.
Samuel J. McDonald, M.D.
Allen Greenwood, M.D.
W. Holbrook Lowell, M.D.
Hugo B. C. Riemer, M.D.
Edward K. Ellis, M.D.
J. Herbert Waite, M.D.
Edmund W. Clap, M.D.
Elwood T. Easton, M.D.
Henry Hawkins, M.D.

*Consulting Chief of Ophthalmology*
Frederick H. Verhoeff, M.D.

*Chief of Ophthalmology*
Edwin B. Dunphy, M.D.

### *Surgeons in Ophthalmology*

Edwin B. Dunphy, M.D.
Edwin B. Goodall, M.D.
Benjamin Sachs, M.D.
Paul Chandler, M.D.
Theodore L. Terry, M.D.
William P. Beetham, M.D.
Virgil G. Casten, M.D.

### *Associate Surgeons in Ophthalmology*

John G. Jennings, M.D.
Ralph H. Ruggles, M.D.
Fred S. Thorne, M.D.
Samuel H. Wilkins, M.D.
Trygve Gundersen, M.D.

### *Assistant Surgeons in Ophthalmology*

David G. Cogan, M.D.
Hugh C. Donahue, M.D.
Mahlon T. Easton, M.D.
Herman P. Grossman, M.D.
Paul G. Haire, M.D.
Merrill J. King, M.D.
Brendan D. Leahey, M.D.
Harry K. Messenger, PH.D., M.D.
Albert E. Sloane, M.D.

### *Senior Clinical Assistants in Ophthalmology*

Thomas Cavanaugh, M.D.
Julian F. Chisholm, Jr., M.D.
Samuel T. Clarke, M.D.
Edward E. Covitz, M.D.
S. Forrest Martin, M.D.
Earl S. Seale, M.D.
H. Frederick Stephens, M.D.
Garrett L. Sullivan, M.D.
Franklyn D. Burger, M.D.
Gertrude Baldwin, M.D.

### *Clinical Assistants in Ophthalmology*

Honoré E. Gaudreau, M.D.
Raymond C. Whitney, M.D.

## DEPARTMENT OF OTO-LARYNGOLOGY

### *Consulting Surgeons in Otology and Laryngology*

Frederick L. Jack, M.D.
Francis P. Emerson, M.D.
Joseph L. Goodale, M.D.
George L. Tobey, Jr., M.D.
D. Harold Walker, M.D.
Calvin B. Faunce, M.D.
Frederick E. Garland, M.D.
Frederick L. Bogan, M.D.
Harris P. Mosher, M.D.
Harry A. Barnes, M.D.
William I. Wiggin, M.D.
Charles D. Knowlton, M.D.

### *Chief of Otology and Laryngology*

LeRoy A. Schall, M.D.

### *Surgeons in Oto-Laryngology*

George H. Poirier, M.D.
Harold G. Tobey, M.D.
Charles T. Porter, M.D.
Philip E. Meltzer, M.D.
Leon E. White, M.D.
Moses H. Lurie, M.D.

### *Surgeon for Tumor Clinic*

Edwards W. Herman, M.D.

*Surgeon for Plastic Operations*

Varaztad H. Kazanjian, M.D., D.M.D.

*Associate Surgeons in Oto-Laryngology*

Gustave B. Fred, M.D.
Robert L. Goodale, M.D.
Maurice G. Evans, M.D.
Francis L. Weille, M.D.
Philip Mysel, M.D.
Charles I. Johnson, M.D.

*Assistant Surgeons in Oto-Laryngology*

Charles H. Allman, M.D.
Walter J. E. Carroll, M.D.
John R. Frazee, M.D.
Elmer H. Gillespie, M.D.
Edgar M. Holmes, M.D.
Vincent J. Kelley, M.D.
Burton E. Lovesey, M.D.
Werner Mueller, M.D.
Josiah E. Quincy, M.D.
John R. Richardson, M.D.

*Clinical Assistants in Oto-Laryngology*

John G. Adams, M.D.
Samuel Cline, M.D.
Elizabeth DeBlois, M.D.
Joshua C. Drooker, M.D.
Frank Gavolio, M.D.
Joseph Lentine, M.D.
Donald H. Macdonald, M.D.
Walter L. McClintock, M.D.
Robert G. Snow, M.D.
David P. Cordray, M.D.

*Bronchoscopist and Esophagoscopist*

Lyman G. Richards, M.D.

*Clinical Assistant for Bronchoscopy and Esophagoscopy*

Edward B. Benedict, M.D.

*Consulting Pathologist*

Tracy B. Mallory, M.D.

*Pathologist*

Theodore L. Terry, M.D.

*Roentgenologist*

A. S. Macmillan, M.D.

*Dentist*

George H. Wright, D.M.D.

*Assistant Anesthetist*

Russell F. Sheldon, M.D.

## HOWE LABORATORY OF OPHTHALMOLOGY

*Acting Director*

David G. Cogan, M.D.

Merrill J. King, M.D.
Trygve Gundersen, M.D.
Elek Ludvigh, PH.D.
V. Everett Kinsey, PH.D.

## CONSULTANTS

### *Consulting Physicians*

James H. Means, M.D.
Arlie V. Bock, M.D.
William B. Breed, M.D.
Chester M. Jones, M.D.
Francis M. Rackemann, M.D.
Paul D. White, M.D.
Walter Bauer, M.D.
F. Dennette Adams, M.D.
Fuller Albright, M.D.
Wyman Richardson, M.D.
Roger P. Dawson, M.D.
Dwight L. Siscoe, M.D.
Francis T. Hunter, M.D.
Donald S. King, M.D.
James H. Townsend, M.D.
Howard B. Sprague, M.D.
William A. Bishop, M.D.
Maurice Fremont-Smith, M.D.
Myles P. Baker, M.D.
Margaret V. Grogan, M.D.
B. Thurber Guild, M.D.
Howard B. Jackson, M.D.
Roy R. Wheeler, M.D.
Bernard M. Jacobson, M.D.
Richard B. King, M.D.
Robert S. Palmer, M.D.
John H. Talbot, M.D.
Thomas V. Urmy, M.D.
Allen G. Brailey, M.D.
Walter S. Burrage, M.D.
John H. Fay, M.D.
Greene FitzHugh, M.D.
Jacob Lerman, M.D.
John P. Monks, M.D.
Helen S. Pittman, M.D.
Milton J. Quinn, M.D.
Charles L. Short, M.D.
Earle M. Chapman, M.D.
Edward F. Bland, M.D.
T. Duckett Jones, M.D.
John W. Cass, Jr., M.D.
Milton H. Clifford, M.D.
Reed Harwood, M.D.
Alfred Kranes, M.D.
Alfred O. Ludwig, M.D.
George P. Sturgis, M.D.
Edward G. Thorp, M.D.

### *Consulting Dermatologists*

C. Guy Lane, M.D.
Jacob H. Swartz, M.D.
Austin W. Cheever, M.D.
Ethel M. Rockwood, M.D.
Myer M. Tolman, M.D.

### *Consulting Neurologists*

James B. Ayer, M.D.
George Clymer, M.D.
Henry R. Viets, M.D.
Charles A. McDonald, M.D.
Harry C. Solomon, M.D.
G. Colket Caner, M.D.
Charles S. Kubik, M.D.

### *Consulting Psychiatrists*

Stanley Cobb, M.D.
Kenneth J. Tillotson, M.D.
Jacob E. Finesinger, M.D.
Niels Anthonisen, M.D.
Erich Lindemann, M.D.
Helene Deutsch, M.D.
William G. Barrett, M.D.
Marianna Taylor, M.D.
R. Barry Bigelow, M.D.

### *Consulting Pediatricians*

Harold L. Higgins, M.D.
Joseph Garland, M.D.
J. Herbert Young, M.D.
Richard S. Eustis, M.D.
Edward S. O'Keefe, M.D.
Eli C. Romberg, M.D.
Solomon H. Rubin, M.D.
Richard C. Tefft, Jr., M.D.
Arthur Bates Lyon, M.D.
Oliver E. Bixby, M.D.
Ralph W. Daffinee, M.D.
Leo B. Burgin, M.D.

### *Consulting Surgeons*

Edward D. Churchill, M.D.
Arthur W. Allen, M.D.
George A. Leland, Jr., M.D.
Leland S. McKittrick, M.D.
Edward L. Young, Jr., M.D.
Joe Vincent Meigs, M.D.
Horace K. Sowles, M.D.
Henry C. Marble, M.D.
Ernest M. Daland, M.D.
A. William Reggio, M.D.
Reginald H. Smithwick, M.D.
Grantley W. Taylor, M.D.
E. Parker Hayden, M.D.
Franklin G. Balch, Jr., M.D.
Horatio Rogers, M.D.
Henry H. Faxon, M.D.
Robert R. Linton, M.D.
Richard H. Sweet, M.D.
Oliver Cope, M.D.
Marshall K. Bartlett, M.D.
Edward B. Benedict, M.D.
Langdon Parsons, M.D.
John D. Stewart, M.D.
Champ Lyons, M.D.
Richard H. Wallace, M.D.

### *Consulting Neurosurgeons*

James C. White, M.D.
John S. Hodgson, M.D.

### *Consulting Orthopedists*

Marius N. Smith-Petersen, M.D.
Armin Klein, M.D.
William A. Rogers, M.D.
George W. Van Gorder, M.D.
Edwin F. Cave, M.D.
Joseph S. Barr, M.D.
Paul L. Norton, M.D.

### *Consulting Urologists*

George Gilbert Smith, M.D.
Fletcher H. Colby, M.D.
Richard Chute, M.D.
Sylvester B. Kelley, M.D.

### *Consulting Pathologists*

Benjamin Castleman, M.D.
Ronald C. Sniffen, M.D.

*Consulting Bacteriologist*

Louis Dienes, M.D.

*Consulting Roentgenologists*

Aubrey O. Hampton, M.D.
James R. Lingley, M.D.
Richard Schatzki, M.D.
Laurence L. Robbins, M.D.

*Consultant in Contagious Diseases*

Edwin H. Place, M.D.

*Consultant in Preventive Medicine*

John E. Gordon, M.D.

*Consultant in Pharmacology*

Otto Krayer, M.D.

## HOUSE STAFF

*Residents in Ophthalmology*

Wendell C. Irvine, M.D.
Henry A. Mosher, M.D.
Marshall C. Twitchell, M.D.
Joseph M. Clough, M.D.
Robert D. Mattis, M.D.
Donald O. Howard, M.D.
Carl C. Johnson, M.D.

*Residents in Oto-Laryngology*

Robert E. McCall, M.D.
Edward F. Lawlor, M.D.
Clair M. Kos, M.D.
Frank W. Brady, M.D.
Frederick W. Ogden, M.D.
Edward J. Halton, M.D.
William F. Donoghue, M.D.

# Brief History of the Massachusetts Eye and Ear Infirmary

The Massachusetts Eye and Ear Infirmary had its inception in the latter part of 1824 when Dr. Edward Reynolds and Dr. John Jeffries established a free clinic for the treatment of the eye in a small room in the Scollay Building situated in what is now the center of Scollay Square. It is the second oldest institution of its kind in the United States, the New York Eye and Ear Infirmary having been founded in 1820.

In the first sixteen months nearly 900 patients were treated, and so successful was the undertaking that in March, 1826, with the aid of friends, a public subscription was started and the Boston Eye Infirmary was formed. In 1827 it was formally incorporated as the Massachusetts Charitable Eye and Ear Infirmary (changed to the Massachusetts Eye and Ear Infirmary in 1924) and shortly moved to larger quarters at the corner of Court and Tremont Streets. The Infirmary was open from 12 to 1 o'clock for gratuitous treatment of the eye and ear. In 1827 there were reported 583 cases of eye diseases and 98 of ear diseases. The receipts were $473.62 and the expenses $333.62.

By 1836 the Infirmary was so well known that one-third of the patients came from outside of Boston and 153 towns and cities were represented. Owing to the increase in the number of patients, the Infirmary was removed in 1836 to the Salisbury Building on Summer Street, and three years later the Gore mansion on Green Street near Bowdoin Square was purchased. To enable the Infirmary to do this, the Commonwealth gave $5,000 and an additional grant of $2,000 a year, for five years. Here for the first time ward patients could be accommodated to the number of twenty. Previously they had been placed in boarding houses in the neighborhood. Facilities were provided for a school of observation, as it was called, for medical students and Dr. Jeffries gave a course of lectures at the Infirmary which was followed by lectures for six successive years by Dr. Reynolds at the Tremont Medical School. Daily clinics for students were held.

By 1849 the Gore mansion had become too small to take care of the increasing number of patients, in that year 2,000. With the aid of a generous grant from the Commonwealth and funds raised by subscriptions, property on Charles Street near Cambridge Street was purchased and a new Infirmary built and dedicated in 1850. Later a wing was added. In 1871 the Ear Department was organized and by 1876 the patients in that department numbered 2,250.

The first Charles Street building, which had housed the Infirmary for over fifty years, proved inadequate, and the Out-Patient Department was much over-crowded, with an average weekly attendance of 1,200. With the aid of a grant from the Commonwealth of $100,000, the present site was purchased and the building was completed in March, 1899. Since the last Constitutional Convention the Infirmary cannot by law receive any grant from the Commonwealth. Social Service was instituted in 1907. The Gardner Building for the treatment of contagious diseases of the eye was added shortly and in 1909 a separate building was built for the Pathological Laboratory. In the same year a Nurses' Home was built on the site of the old Infirmary, to house 94 people, and later the space formerly occupied by nurses in the Infirmary was changed into a private ward. A school for graduate and affiliated nurses which gives special training in the care of diseases of the eye, ear, nose and throat is maintained.

In the year 1922 the Laryngological Department of the Massachusetts General Hospital was granted the use of beds in the Infirmary and became a department of that institution as far as its house work was concerned.

In 1925 the surgeons of the Aural and Laryngological departments appear in one group as Oto-Laryngologists.

January 1st, 1928, the Laryngological Out-Patient Department of the Massachusetts General Hospital was taken over by the Infirmary and the relations of the Aural Department with the Laryngological Department became very close. At the same time the Out-Patient Department, though still operated by the Infirmary, was joined with that of the Massachusetts General Hospital in the new building built by the latter.

Part of the space formerly occupied by the Out-Patient Department was taken for the Howe Laboratory of Ophthalmology. This was made possible through the generosity of the late Dr. Lucien Howe, who gave $250,000 towards a fund of $500,000 given to Harvard College, the income to be used for research work. The balance of the space was given over to the Research Laboratory of the Ear, Nose and Throat Department, the X-Ray Department and the Lucien Howe Library of Ophthalmology.

Last year the Infirmary took care of 5,477 people in the public wards, 1,684 in the private wards and there were 96,350 visits to the Out-Patient Department. The active staff numbers 73 and there are 240 paid employees.

# Report of the President

On behalf of the Board of Managers of the Massachusetts Eye and Ear Infirmary, I beg to present the One Hundred and Fifteenth Annual Report, being for the year 1940. The reports of the various departments which follow give one an idea of the very large amount of work and the numerous activities which are carried on at the Infirmary.

The daily average of patients in the Public Wards was slightly less than last year, while in the Private Ward it was slightly more. The receipts from the Public Wards amounted to the same as if one-third of the patients paid nothing and the balance full rates, which are about one-half of cost, so in a sense one can say one-third of the patients are free. The daily average in the Out-Patient Department was 318, slightly less than the year before, and the percentage of free patients was also lower, about 30%.

The expenses of the Infirmary were $14,296.89 more than last year but fortunately the receipts from the hospital, donations and income from investments were also larger so that the deficit was $8,417.46 compared with a deficit last year of $10,916.70. This is the third consecutive year in which there has been a deficit averaging almost $11,000 a year. The situation is becoming serious for even with careful management it is impossible to operate without a deficit and meanwhile there are major improvements, such as new operating rooms, which should be made, many departments are cramped for room and should have increased budgets in order to serve the public to the fullest extent. From time to time in recent years charges to the patients have been increased and new ones added but still the deficits continue. Undoubtedly we shall have higher costs during the next few years so the outlook is serious. What is really needed is a larger endowment.

The Ladies' Visiting Committee has given another year of unselfish service and has added much to the comfort of the patients and nurses, for all of which the Managers are deeply grateful.

As usual the Committee held a Rummage Sale and the proceeds were added to the John and Martha Lawrence Fund which now amounts to $6,790.06.

During the year Dr. Verhoeff retired as Director of the Howe Laboratory of Ophthalmology, a position which he had held since its establishment in 1928. Under his able leadership it has attained a reputation as one of the leading institutions of its character in the country. Dr. David G. Cogan of the Staff of the Infirmary was appointed Acting Director.

During the year Dr. J. Herbert Waite felt obliged to resign as Chief of the Ophthalmological Service, to the very great regret of the Managers. Dr. Waite became an intern in 1922 and advanced through the different grades until he became Chief in 1936. He was responsible for improved and expanded teaching and better instruction of the house officers. The Vision and Perimetry Rooms were vastly improved by the employment of salaried staff and many other improvements were initiated. He retains his touch with the Infirmary as Consultant. The Managers were fortunate in obtaining as his successor Dr. Edwin B. Dunphy who has been associated with the Infirmary since 1922. At the same time he was appointed Clinical Professor of Ophthalmology at the Harvard Medical School. He is to serve on a full-time basis on a salary paid in part by the Infirmary and in part by the School. He has offices at the Infirmary where he can see patients. Both Services are now under full-time salaried Chiefs.

The Managers gratefully acknowledge bequests received during the year from the estates of Lucy H. Eaton, George Peabody Gardner, Charles Russell Hurd, John Wells Morss, Silas Peavy, and Elizabeth R. Stevens, and also wish to thank all those who through the Community Fund or otherwise have given to the Infirmary.

It is needless to say that without the loyal and unselfish service of the Staff and employees the continued growth and efficiency of the Infirmary would be impossible and for this the Managers are very grateful.

R. G. FESSENDEN,
*President.*

# Report of the Treasurer

## BALANCE SHEET

December 31, 1940

### Assets

| | | |
|---|---|---|
| Land and Buildings—book value | | $ 491,741.99 |
| Investments—book value: | | |
| Interest in five parcels of real estate | $ 5.00 | |
| Securities | 1,950,902.72 | 1,950,907.72 |
| Cash on hand: | | |
| Capital account | $ 100,338.46 | |
| Income account | 3,391.52 | 103,729.98 |
| Total Assets | | $2,546,379.69 |

### Capital and Funds

| | |
|---|---|
| General Funds | $1,451,550.10 |
| Permanent Funds—Income Restricted | 171,175.75 |
| Permanent Funds—Income Unrestricted | 910,961.61 |
| Special Purpose Funds | 9,300.71 |
| Unexpended Restricted Income | 3,391.52 |
| Total Capital and Funds | $2,546,379.69 |

## STATEMENT OF INCOME ACCOUNT—RECEIPTS AND DISBURSEMENTS

*For the year ending December 31, 1940*

| | | |
|---|---|---|
| Hospital Receipts . . . . . . . . . . . . . | | $362,849.64 |
| Hospital Operating Disbursements . | $478,004.89 | |
| Treasurer's Expenses . . . . . . | 4,549.70 | 482,554.59 |
| EXCESS OF DISBURSEMENTS OVER HOSPITAL RECEIPTS . . . . . . . . . . | | $119,704.95 |
| Income from Investment Securities, less income applicable to Restricted Funds | $ 72,322.48 | |
| Transfer from Special Purpose Funds | 10,578.34 | |
| Receipts from Community Federation of Boston, Committee of the Permanent Charity Fund, Estate of Charles G. Greene, Estate of Elisha V. Ashton, Estate of G. Gorham Peters, Estate of George Peabody Gardner, and others (excluding contributions for special purposes) . . | 28,386.67 | 111,287.49 |
| DEFICIT ON INCOME ACCOUNT | | $ 8,417.46 |

JAMES DEAN,
*Treasurer*

PATTERSON, TEELE AND DENNIS,
*Auditors*

## INVESTMENT SECURITIES

*December 31, 1940*

| BONDS | |
|---|---|
| $ 5,000 | U. S. Treasury Notes 1½%, March 15, 1941 |
| 10,000 | U. S. Treasury Notes 1⅜%, June 15, 1941 |
| 10,000 | U. S. Treasury Bonds 3¼%, August 1, 1941 |
| 2,000 | U. S. Treasury Notes 1¾%, March 15, 1942 |
| 25,000 | U. S. Treasury Notes 1⅛ %,June 15, 1943 |
| 2,000 | U. S. Treasury Notes ¾%, June 15, 1944 |
| 63,000 | U. S. Treasury Bonds 3¼%, October 15, 1945 |
| 20,000 | U. S. Treasury Bonds 2¾%, September 15, 1947 |
| 10,000 | U. S. Treasury Bonds 3%, June 15, 1948 |
| 5,000 | U. S. Treasury Bonds Reg. 2%, December 15, 1950 |
| 5,000 | U. S. Treasury Bonds 2¾%, March 15, 1951 |
| 5,000 | U. S. Treasury Bonds 2½%, September 15, 1952 |
| 35,000 | U. S. Treasury Bonds 2¾%, June 15, 1954 |
| 5,000 | U. S. Treasury Bonds 2¾%, September 15, 1959 |
| 8,000 | U. S. Treasury Bonds 2⅞%, March 15, 1960 |
| 36,000 | U. S. Treasury Bonds 2¾%, June 15, 1963 |
| 5,000 | U. S. Treasury Bonds 2¾%, December 15, 1965 |
| 10,000 | Alabama Power Co. 4½ % 1967 |
| 20,000 | Albany & Susquehanna Railroad registered 3½s 1946 |
| 15,000 | American Telephone & Telegraph Company 5½s 1943 |
| 10,000 | American Telephone & Telegraph Company 3¼s 1966 |
| 10,000 | Armour & Company of Delaware 4s 1955 |
| 20,000 | Atchison, Topeka & Santa Fe Railway Co. General 4s 1995 |
| 15,000 | Bell Telephone Co. of Canada 5s 1960 |
| 15,000 | Bethlehem Steel Corp. 3¼s 1959 |
| 15,000 | Blackstone Valley Gas & Electric Company 4s 1965 |
| 10,000 | Boston & Albany Railroad 4½s 1943 |
| 5,000 | Boston & Maine Railroad Company 4s 1960 |
| 12,500 | Boston & Maine Railroad Company "A" 4½s 1970 |
| 10,000 | Butte Electric & Power Company 1st 5s 1951 |
| 10,000 | Canada, Dominion of, 2¼s 1944 |
| 20,000 | Canada, Dominion of, 3¼s 1961 |
| 25,000 | Canada, Dominion of, 3s 1968 |
| 25,000 | Canadian Pacific Railway Equipment Trust 5s 1944 |
| 5,000 | Central Illinois Public Service Co. 3¾s 1968 |
| 10,000 | Central New York Power Corporation General 3¾s 1962 |
| 10,000 | Chesapeake & Ohio Railway Company General 4½s 1992 |

| | |
|---|---|
| 20,000 | Chicago, Burlington & Quincy Railroad 1st & Ref. 4½s 1977 |
| 8,500 | Chicago City Railway Company C/D 1st 5s 1927 |
| 25,000 | Chicago & Northwestern Railway Company 4¾s 1949 |
| 10,000 | Cincinnati Gas & Electric Company 1st 3½s 1967 |
| 15,000 | Eastern Massachusetts Street Railway Co. 4½s 1948 |
| 20,000 | Florida Power & Light Company 1st 5s 1954 |
| 10,000 | Georgia Power Company 1st & Refunding 5s 1967 |
| 10,000 | Great Northern Railway Company General 3¾s 1967 |
| 20,000 | Hudson & Manhattan Railroad Company 5s 1957 |
| 20,000 | Illinois Power & Light Company 1st & Refunding 5s 1956 |
| 15,000 | International Paper Company 1st & Refunding 5s 1947 |
| 15,000 | Jacksonville Terminal Company Ref. & Ext. 5s 1967 |
| 15,000 | Lake Shore & Michigan Southern Ry. Co. registered 3½s 1997 |
| 9,000 | Loew's Incorporated 3½s 1946 |
| 7,000 | Louisville & Jeffersonville Bridge Company 4s 1945 |
| 15,000 | Maine Central Railroad 1st 4s 1945 |
| 10,000 | Michigan Central Railroad Company 1st 3½s 1952 |
| 10,000 | Mississippi River Power Company 1st 5s 1951 |
| 20,000 | Missouri Pacific Railroad Company 1st & Refunding C/D 5s 1977 |
| 20,000 | Montana Power Company 1st 3¾s 1966 |
| 14,000 | National Steel Corporation 3s 1965 |
| 2,000 | Newton, City of, registered 4¼s 1941 |
| 15,000 | New York Central & Hudson River R.R., Michigan Central 3½s 1998 |
| 4,000 | New York, New Haven & Hartford Railroad 3½s 1947 |
| 25,000 | New York, New Haven & Hartford R.R. Conv. Deb. 6s 1948 |
| 10,000 | North Boston Lighting Properties 3½s 1947 |
| 15,000 | Northern Pacific Railroad Co. Gen. Lien & Land Grant 3s 2047 |
| 15,000 | Ohio Edison Company 1st 4s 1967 |
| 25,000 | Penn Power & Light Co. 3½s 1969 |
| 15,000 | Pennsylvania Railroad 4¼s 1981 |
| 15,000 | Philadelphia Electric Co. 1st & Refunding 3½s 1967 |
| 15,000 | Public Service Company of Indiana 1st 4s 1969 |
| 15,000 | Puget Sound Power & Light Co. 1st & Refunding 5½s 1949 |
| 10,000 | St. Johnsbury & Lake Champlain Railroad Co. 1st 5s 1944 |
| 15,000 | St. Louis San Francisco Ry. Co. Equipment Trust 4½s 1942 |
| 10,000 | St. Paul Union Depot Company 1st & Refunding 5s 1972 |

| | |
|---|---|
| 19,000 | Safe Harbor Water Power Corporation 4½s 1979 |
| 20,000 | Shell Union Oil Corporation 2½s 1954 |
| 15,000 | Southern Bell Telephone & Telegraph Co. debenture 3¼s 1962 |
| 20,000 | Southern Pacific Company 4½s 1969 |
| 20,000 | Utah Power & Light Company 1st 5s 1944 |
| 15,000 | Virginia Electric & Power Company 1st & Refunding 3½s 1968 |
| 10,000 | Western Union Telegraph Company 5s 1960 |

STOCKS

| | |
|---|---|
| 300 shares | American Can Company, common |
| 150 shares | American Sugar Refining Company, preferred |
| 410 shares | American Telephone & Telegraph Company |
| 204 shares | Atchison, Topeka & Santa Fe Railway Company, common |
| 300 shares | Bankers Trust Company |
| 200 shares | Borden Company, common |
| 400 shares | Boston Edison Company |
| 100 shares | Boston Real Estate Trust |
| 100 shares | Central Hanover Bank & Trust Company |
| 200 shares | Chemical Bank & Trust Company |
| 200 shares | Cleveland Electric Illuminating Company $4.50 preferred |
| 500 shares | Commonwealth Edison Company |
| 200 shares | Consolidated Edison Company of New York, $5.00 preferred |
| 200 shares | Consolidated Gas Electric Light & Power Co. of Baltimore |
| 150 shares | Continental Can Company, Inc. $4.50 preferred |
| 25 shares | Dwelling House Associates |
| 150 shares | Eastman Kodak Company, common |
| 100 shares | Electric Bond & Share Company, preferred |
| 500 shares | First National Bank of Boston |
| 1,200 shares | General Electric Company, common |
| 200 shares | General Motors Corporation, common |
| 150 shares | Guaranty Trust Company of New York |
| 300 shares | Hartford Fire Insurance Company |
| 100 shares | Liggett & Myers Tobacco Company, common |
| 200 shares | Liggett & Myers Tobacco Co. common "B" |
| 100 shares | Ludlow Manufacturing Associates |

| | |
|---|---|
| 200 shares | National Biscuit Company, common |
| 500 shares | National Shawmut Bank of Boston |
| 100 shares | New England Telephone & Telegraph Company |
| 200 shares | New York Central Railroad Company |
| 200 shares | Pennsylvania Railroad Company |
| 500 shares | Phillips Petroleum Company |
| 150 shares | Phoenix Insurance Company |
| 202 shares | Procter & Gamble Company, common |
| 100 shares | Public Service Corpn. of New Jersey, $5.00 preferred |
| 200 shares | Southern Railway Company, preferred |
| 506 shares | Standard Oil Company of New Jersey |
| 180 shares | Tacoma Railway & Power Company |
| 300 shares | Texas Corporation |
| 200 shares | Union Carbide & Carbon Corporation |
| 100 shares | Union Pacific Railroad Company, common |
| 200 shares | United Fruit Company |
| 200 shares | United Shoe Machinery Corporation, common |
| 100 shares | United States Steel Corporation, common |
| 300 shares | United States Steel Corporation, preferred |

## SECURITIES HELD FOR WEBER FUND

| BONDS | |
|---|---|
| $1,000 | U. S. Treasury Notes 1½%, March 15, 1941 |
| 500 | U. S. Treasury Bonds 3¼%, October 15, 1945 |
| 5,000 | U. S. Treasury Bonds 2%, December 15, 1947 |
| 500 | U. S. Treasury Bonds 2⅞%, March 15, 1960 |
| 1,000 | U. S. Treasury Bonds 2¾%, June 15, 1963 |

*The Managers gratefully acknowledge receipt of the following legacies during the year 1940:*

| | |
|---|---|
| Estate of Lucy H. Eaton | $ 600.00 |
| Additional, making a total of $62,600.00 | |
| Estate of George Peabody Gardner | 10,000.00 |
| Estate of Charles Russell Hurd | 500.00 |
| Estate of John Wells Morss | 10,000.00 |
| Estate of Silas Peavy | 1,000.00 |
| Estate of Elizabeth R. Stevens | 61.69 |
| Additional, making a total of $542,816.68 | |

| | |
|---|---|
| John and Martha Lawrence Fund | 1,239.66 |
| Additional, making a total of $6,790.06.<br>Principal and income to be at the disposal of the Ladies Visiting Committee. | |

## PERMANENT FUNDS—INCOME RESTRICTED

| | | |
|---|---|---|
| 1876 | Bequest under Will of Miss Susan P. Gray<br>Income to be applied to the relief and assistance of poor patients of the Infirmary. | $ 1,000.00 |
| 1882 | Berkshire Fund<br>Gift of Zenas M. Crane to establish a free bed to be known as the "Berkshire Bed," and to be used by preference by patients coming from Pittsfield, Massachusetts, or the adjacent locality. | 5,000.00 |
| 1889 | Bequest under Will of Elisha T. Loring<br>Income to be applied for the benefit of destitute patients. | 3,500.00 |
| 1898 | John W. and Belinda L. Randall Fund<br>Income, so far as practical, to be used to increase and diffuse knowledge in relation to health and disease of the eye and ear. | 30,000.00 |
| 1898 | The Frederick E. Weber Fund<br>Bequest under the will of Frederick E. Weber, to be designated "The Frederick E. Weber Fund." One-half of the net income of the Fund and of its accumulations in each year shall each year be expended for the charitable purposes of the Infirmary. | 8,680.14 |
| 1899 | The Theodore Chase Memorial Fund<br>Gift of Mrs. Theodore Chase to establish "The Theodore Chase Memorial Fund." Income to be used for books and magazines for aural patients. | 2,500.00 |
| 1901 | Aural Surgeons' Fund<br>Gift of Dr. Clarence J. Blake to provide a fund to be known as the "Aural Surgeons' Fund." Income to be spent by the Surgeons only in the Aural Department. | 16,031.04 |

| | | |
|---|---|---|
| 1901 | Bequest under Will of Henry Saltonstall<br>Annual income to be applied in equal shares to the Aural and Ophthalmic Departments. | 10,000.00 |
| 1909 | Bequest under Will of Frederick R. Sears<br>Income to be used in any way that may add to the happiness and comfort, or that may tend to lighten the weary hours, of those unfortunates who may be afflicted with diseases of the eye, by rendering assistance to the families of such as are deserving and poor, and by providing such extra comforts to them and their families as may seem proper to the officers of the Infirmary. | 20,000.00 |
| 1912 | The Fund for the Maintenance of the Gardner Building<br>Gift of Mr. Shepherd Brooks. | 20,174.41 |
| 1912 | Social Service Fund<br>Gift of Mrs. Shepherd Brooks. | 5,000.00 |
| 1914/15 | Bequest under Will of William S. Hills<br>Income only to be used for free patients. | 10,000.00 |
| 1916 | Bequest under Will of Mitchell A. Dearborn<br>Income to be used for Social Service work. | 1,000.00 |
| 1923 | William F. Watson Free Bed Fund<br>Bequest under will of Catherine E. Watson to establish a free bed in the Aural Department, to be known as the "William F. Watson Free Bed." | 6,000.00 |
| 1928 | Mary Lowell Stone Fund<br>Gift of Miss E. F. Munroe to establish a fund to be designated the "Mary Lowell Stone Fund," income to be used for needy, deserving patients. | 2,450.00 |

| | | |
|---|---|---|
| 1932/36 | George Strong Derby Memorial Fund<br>Income to be applied annually under the direction of the Board of Surgeons and the Board of Managers to continue the work of Doctor Derby along medical-social service lines. | 13,050.10 |
| 1938 | Bequest under Will of Charlotte S. Sprague<br>For the endowment of a free bed in memory of Elizabeth J. Ward, the occupancy of said bed to be designated by the Rector of Emmanuel Church in Boston. | 10,000.00 |
| 1938/40 | The John and Martha Lawrence Fund<br>Established by the Ladies' Visiting Committee. | 6,790.06 |

## PERMANENT FUNDS—INCOME UNRESTRICTED

| | | |
|---|---|---|
| 1850 | Bequest under Will of John Bromfield | $10,000.00 |
| 1871 | Joy Fund<br>Bequest under will of Miss Nabby Joy to be designated the "Joy Fund." | 10,000.00 |
| 1882 | Nathaniel Thayer Fund<br>Gift of Mr. Nathaniel Thayer to be known as the "Nathaniel Thayer Fund." | 54,570.00 |
| 1887 | Perkins Fund<br>Bequest under will of Richard Perkins to be known as the "Perkins Fund." | 10,000.00 |
| 1890 | Ellen M. Gifford Fund<br>Bequest under will of Mrs. Ellen M. Gifford to be called the "Ellen M. Gifford Fund." | 5,000.00 |
| 1891 | Bequest under Will of J. Huntington Wolcott | 1,500.00 |
| 1895 | Bequest under Will of Samuel E. Sawyer | 2,382.20 |
| 1896/97 | Ann White Vose Fund | 18,591.54 |
| 1898 | Bequest under Will of Henry L. Pierce | 20,000.00 |
| 1907 | Adelaide Le Compte Spalding Fund<br>Gift of Francis D. LeCompte in memory of Adelaide LeCompte Spalding. | 25,000.00 |
| 1912 | Julia M. Moseley Fund | 6,190.47 |
| 1915 | Bequest under Will of Harriet Otis Cruft | 10,000.00 |
| 1921 | Bequest under Will of Clara B. Kimball | 1,050.00 |
| 1921 | Charles Frederick Smith Fund<br>Bequest under will of Charles Frederick Smith to be known as the "Charles Frederick Smith Fund." | 8,663.00 |
| 1923 | Bequest under Will of Harriet S. Hazeltine | 13,000.00 |
| 1924/36 | Bequest under Will of Joseph B. Glover | 28,936.58 |

| | | |
|---|---|---|
| 1924 | Anna P. Rogers Fund<br>Bequest under will of Anna P. Rogers to be known as the "Anna P. Rogers Fund." | 10,000.00 |
| 1927 | Alice Lee Thomas Stevenson Fund<br>Gift of Robert H. Stevenson, Jr. to establish a fund to be known as the "Alice Lee Thomas Stevenson Fund." | 10,000.00 |
| 1927 | Charles C. Ely Fund | 5,000.00 |
| 1927 | Dr. E. H. Bradford Fund<br>Gift of Mrs. Edith Fiske Bradford in memory of her husband to establish a fund to be known as the "Dr. E. H. Bradford Fund." | 1,000.00 |
| 1927 | Levina B. Urbino Fund<br>Bequest under will of Samson R. Urbino to establish a fund to be known as the "Levina B. Urbino Fund." | 500.00 |
| 1927 | Walter C. Lewis Fund | 25,000.00 |
| 1931 | Henry A. Page Fund<br>Bequest under will of Ellen Page Hall to be known os the "Henry A. Page Fund." | 30,000.00 |
| 1931/32 | George C. Pierce Fund<br>Bequest under will of Merrill L. Pierce to be known as the "George C. Pierce Fund." | 34,251.95 |
| 1931/40 | Bequest under Will of Elizabeth R. Stevens | 542,816.68 |
| 1934 | Bequest under Will of Hanna Hathaway Kimball | 1,000.00 |
| 1935 | Henry Clay Jackson Fund<br>Gift of the Trustees of the Paul Wilde Jackson Trust to be known as the "Henry Clay Jackson Fund." | 25,500.00 |
| 1936/39 | George W. Butterfield Fund<br>Bequest under will of Helen C. Butterfield to be known as the "George W. Butterfield Fund." | 1,009.19 |

## UNRESTRICTED BEQUESTS

| | | |
|---|---|---|
| 1914 | Allen, Caroline B. | $ 5,000.00 |
| 1930 | "Anonymous," from a patient of Dr. George S. Derby | 2,000.00 |
| 1905 | Appleton, Emily W. | 2,000.00 |
| 1892 | Ashton, Elisha Vinton<br>Annual income from a trust established under his will. | |
| 1859 | Austin, Mrs. Agnes | 1,000.00 |
| 1914 | Bartlett, Francis | 10,000.00 |
| 1889 | Bartlett, Sidney | 5,000.00 |
| Prior to 1835 | Belknap, Jeremiah | 1,000.00 |
| Prior to 1835 | Belknap, Miss Mary | 1,000.00 |
| Prior to 1835 | Belknap, Sarah | 1,500.00 |
| 1930 | Bernstein, William | 100.00 |
| 1900/02 | Billings, Robert C. | 50,000.00 |
| 1938 | Bird, Harriet E. | 31,550.05 |
| 1929 | Black, George Nixon | 10,000.00 |
| 1873 | Blanchard, John A. | 1,000.00 |
| 1926 | Blodgett, Albert N.<br>Annual income from a trust established under his will. | |
| 1906 | Bolton, William M. | 552.22 |
| 1871 | Bordman, M. A. | 100.00 |
| 1910 | Boyd, George William | 5,000.00 |
| 1898/07 | Bradlee, Josiah Putnam | 243,391.24 |
| 1914/27 | Bradstreet, Charlotte A | 23,273.50 |
| 1934 | Brewster, William | 10,000.00 |
| 1924 | Brigham, Robert B.<br>Annual income from a trust established under his will. | |
| 1936/38 | Brooks, Martha H. | 11,070.73 |
| 1885 | Brooks, Mrs. Susan O. | 1,000.00 |
| 1930 | Brown, Miss Annie H. | 20,000.00 |
| 1845 | Brown, John | 200.00 |
| 1902/03 | Browne, Edward I. | 10,000.00 |
| 1904 | Center, Joseph H. | 1,000.00 |
| 1896 | Cheney, Benjamin P. | 2,000.00 |

| | | |
|---|---|---|
| 1898 | Colburn, Eliza Ann | 5,000.00 |
| 1938 | Comee, Lillian M. | 200.00 |
| 1933/37 | Cook, George Green | 6,583.68 |
| 1939 | Crosby, Mary Celia | 2,000.00 |
| 1938/39 | Crowell, Mary Louise | 12,582.41 |
| 1934 | Curtis, Louis | 2,500.00 |
| 1923 | Cushing, Herbert B. | 1,000.00 |
| 1877 | Dalton, Delia | 50.00 |
| 1861 | Dalton, P. R. | 500.00 |
| 1873 | deRohbinder, Elise | 87.50 |
| 1929 | Dix, John H. | 50.00 |
| 1933/40 | Eaton, Lucy H. | 62,600.00 |
| 1933/39 | Eaton, Mary Agnes | 3,750.92 |
| 1929 | Eaton, William | 500.00 |
| 1923 | Estabrook, Arthur F. | 10,000.00 |
| 1925 | Estabrook, Ida F. | 10,000.00 |
| 1904 | Farlow, John S. | 2,500.00 |
| 1933/34 | Field, Edward B. | 500.00 |
| 1940 | Gardner, George Peabody | 10,000.00 |
| 1896 | Glover, Albert | 1,000.00 |
| 1902 | Glover, Joseph B. | 5,000.00 |
| 1901 | Goddard, Rebecca A. | 500.00 |
| 1929/30 | Goldsmith, Benjamin H. | 1,824.67 |
| 1886/87 | Goldsmith, Mrs. Sophia P. | 759.84 |
| 1844 | Gossler, Gustavus | 1,000.00 |
| 1884 | Gray, Miss Ann E. | 1,000.00 |
| 1924/25 | Greene, Charles G.<br>Also annual income from a trust established under his will. | 36,214.02 |
| 1863 | Greene, B. D. | 2,000.00 |
| 1898 | Hagerty, Peter F. | 2,556.25 |
| 1874 | Hammond, Daniel | 509.17 |
| 1904 | Hayden, Charles H. | 50,000.00 |
| 1933 | Hazlett, John P. | 2,500.00 |
| 1884 | Homer, Albert | 60.50 |
| 1871 | Homer, Sidney | 1,000.00 |
| 1879 | Hovey, G. O. | 2,000.00 |
| 1873/74 | Hudson, Benjamin | 22,308.97 |
| 1889 | Hunt, Moses | 1,000.00 |
| 1940 | Hurd, Charles Russell | 500.00 |
| 1853 | Ingersoll, James | 1,000.00 |
| 1836 | Jackson, Miss Sarah | 600.00 |

| | | |
|---|---|---|
| 1871 | Joy, Miss Nabby | 5,000.00 |
| 1926 | Kimball, Miss Lulu S. | 3,000.00 |
| 1896 | Kimball, Moses | 5,000.00 |
| 1912 | Lamson, Miss Catherine M. | 2,000.00 |
| 1879/91 | Lane, Miss Henrietta | 7,114.71 |
| 1871 | Lawrence, Abbott | 1,500.00 |
| 1858 | Lawrence, Mrs. Susan | 500.00 |
| 1875 | Lee, Rebecca | 1,000.00 |
| 1868 | Loring, Abigail | 5,017.33 |
| 1900 | Lowell, Augustus | 10,000.00 |
| 1909 | Lyman, Florence | 7,811.46 |
| 1939 | Mace, Marjorie J. | 1,000.00 |
| 1935 | McCrossen, Patrick H. | 25.00 |
| 1878 | McGregor, James | 1,000.00 |
| 1907 | Merriam, Charles | 5,000.00 |
| 1912 | Morse, Mrs. Samuel T. | 500.00 |
| 1940 | Morss, John Wells | 10,000.00 |
| 1924/30 | Moseley, Frances A. | 31,782.50 |
| 1844 | Munson, Israel | 3,000.00 |
| 1935/39 | Newcomb, Miss Lucy | 976.25 |
| 1900/03 | Parker, Elizabeth P. | 27,220.16 |
| 1845 | Parker, John | 5,000.00 |
| 1924 | Parkman, Henry | 2,500.00 |
| 1935 | Parlin, Albert Norton, Trustees under Will Free Bed Fund | 25,000.00 |
| 1838 | Payne, William C. | 10,000.00 |
| 1940 | Peavy, Silas<br>Free Bed Fund. | 1,000.00 |
| 1929 | Perkins, Isabella S. | 5,000.00 |
| 1900 | Peters, Edward D. | 500.00 |
| 1939 | Peters, G. Gorham<br>Annual income from a trust established under his will. | |
| 1860 | Phillips, Jonathan | 5,000.00 |
| 1863/64 | Pickens, John | 863.38 |
| 1906/07 | Potter, Sarah E. | 88,330.50 |
| 1878 | Powars, Eliza | 2,000.00 |
| 1915/27 | Pratt, Sarah E. | 2,988.34 |
| 1871 | Read, James | 500.00 |
| 1880 | Reynolds, J., legacy received through | 100.00 |
| 1927 | Riley, William J. | 5,000.00 |

| | | |
|---|---|---|
| 1939 | Ross, Ellen H. | 5,000.00 |
| | "In name and memory of my sister, Mary E. Haven." | |
| 1912 | Rotch, Arthur | 14,326.30 |
| 1903 | Ruggles, Mary Louisa | 3,000.00 |
| 1911/13 | Rust, Nancy E. | 2,640.00 |
| 1887/88 | Scholfield, Ann | 4,250.00 |
| 1891 | Scholfield, Joseph | 2,500.00 |
| 1918 | Sewall, Richard Black | 25,000.00 |
| 1930 | Smith, Miss Ellen Vose | 29,793.70 |
| 1936 | Sohier, Emily L. | 3,000.00 |
| | "To be added to the George Strong Derby Memorial Fund." | |
| 1887 | Somes, Miss Abby | 5,000.00 |
| 1920 | Spencer, Aaron W. | 2,000.00 |
| 1925 | Sweeney, Christopher F. | 50.00 |
| 1894 | Sweetser, Mrs. Anne M. | 1,000.00 |
| 1884 | Swett, Mrs. Mary W. | 2,000.00 |
| 1874 | Templeton, John | 5,000.00 |
| 1897 | Thayer, Mrs. Cornelia V. R. | 10,000.00 |
| 1923/28 | Thompson, Joseph | 3,761.09 |
| 1897 | Tileston, Charles | 2,797.30 |
| 1896 | Turner, Mary B. | 2,000.00 |
| 1921 | Upton, George B. | 5,000.00 |
| 1881 | Upton, Mrs. George B. | 500.00 |
| 1924 | Vialle, Charles A. | 3,000.00 |
| 1920 | Vose, Abbie T. | 1,014.90 |
| 1914 | Wadleigh, Horace W. | 2,000.00 |
| 1845 | Waldo, Daniel | 6,000.00 |
| 1934 | Welton, John C. | 4,000.00 |
| 1916 | Wheelwright, John W. | 2,000.00 |
| 1902 | White, Susan J. | 10,000.00 |
| 1935 | Willson, Mary A. | 3,000.00 |
| 1934 | Wilson, Annie C. | 1,002.19 |
| 1912 | Wolcott, Harriet Frothingham | 5,532.00 |
| 1932 | Woods, Henry D. | 5,000.00 |
| 1897 | Wyman, Thomas T. | 20,000.00 |

| | | |
|---|---|---|
| 1895 | Kettell, Catherine H. | 300.00 |
| | Gift "In memory of Louisa C. Kettell" | |

| | | |
|---|---|---|
| 1927/29 | One Hundredth Anniversary Campaign Fund | 406,107.80 |

# Report of the Ladies' Visiting Committee

THERE is not much that is new to report from the Ladies' Visiting Committee.

From our Rummage Sale last Spring, we added $1,000 to the John and Martha Lawrence Fund which brings our total to $6,790.06.

The visiting has gone on as usual and one of our members has continued to give the services of a reader for two afternoons a week. Another member of our Committee gave two portable radios and $50 worth of paper handkerchiefs for the patients. Also 10 chairs and 2 tables for the piazza. Other members have given flowers, books, toys, candy and the Christmas tree for the yard.

We gave $145 for a gas toaster for the Second Floor which Miss Robertson wanted and which is much appreciated. We have supplied the Infirmary and Nurses' Home with papers and magazines and have given money for Christmas decorations and the Christmas party for the nurses. This year our Committee, for the first time, bought and wrapped presents for all the patients who were in the Infirmary on Christmas Day.

During the year we have paid $520 for an assistant for Miss Wade in the Occupational Therapy Department for two days a week, and $125 for supplies. We have raised $235 for the new Occupational Therapy Room and I wish to thank the members of the Board of Managers and others who helped by their contributions. We have always taken special interest in this Department as Occupational Therapy was started in the Infirmary by the Ladies' Visiting Committee fifteen years ago. We feel that the new room will make Miss Wade's work easier and more efficient as the work will no longer be divided between the Infirmary and the Nurses' Home.

We are very much pleased to have this pleasant sunny room that we have waited for so long.

HELEN M. SARGENT,
*Chairman, Ladies' Visiting Committee.*

# Report of the Director

To the Managers:

*Gentlemen:* Herewith I submit my sixth report as Director and annual report for the year 1940. There has been little change in the number of patients in the Infirmary as compared to the last two years. In the Out-Patient Department owing to the operation of the appointment system throughout the year there has been a reduction of about 4,000 visits. Even so, the daily number of patients averages 318. There is no question but that the appointment system makes it easier for both patients and Staff, spreads the work more evenly and prevents overcrowding on certain days, eliminates long waits and produces better medical care. Another factor in reducing numbers is the effort to keep out and weed out patients who should not properly be admitted for clinic care. A reviewing officer has been appointed whose duty is to review financially all old patients attending clinics. If they are still eligible a new card of a different color is issued; if ineligible their card is taken away and they are referred back to their own physician or given a list of appropriate staff physicians.

Early in the year, Dr. J. Herbert Waite asked to be relieved of his duties as Chief of the Ophthalmological Service. Dr. Waite served as Acting Chief from February 6, 1932 to February 10, 1936 and was then appointed Chief. After collaboration with the Harvard Medical School Dr. Edwin B. Dunphy was appointed Chief of the Ophthalmological Service of the Infirmary and Clinical Professor of Ophthalmology at the Harvard Medical School on a full-time basis with a salary paid in part by the Infirmary and in part by the School. Likewise the Infirmary and School share in a combined operating and teaching budget.

In September Dr. Frederick H. Verhoeff, Director of the Howe Laboratory of Ophthalmology since its establishment in 1928, resigned. It was difficult to find a successor for Dr. Verhoeff who has filled a unique position not only in the Infirmary but in the Ophthalmological world. After careful investigation of many possible candidates by a joint committee of the Infirmary and the Medical School, Dr. David G. Cogan was appointed Acting Director. In spite of Dr. Cogan's youth, it was felt that his training under Dr. Verhoeff, the excellence of research studies already completed and his clinical ability augured well for the future. It is both a challenge and an opportunity for him.

Thus within a year the leadership of both clinical services and of the Howe and Mosher Laboratories have passed into new hands. Both services are now headed by full time salaried chiefs who are thereby free to devote most of their time to the direction of their clinical services, to teaching and research. In order that their services may still be available to the community, offices have been fitted up for both Dr. Schall and Dr. Dunphy in which they may see private patients with the understanding that their private practice shall not interfere with their duties as Chiefs of Service.

Everyone was sorry to see Dr. Mosher, Dr. Verhoeff and Dr. Waite go, and it seems strange not to see them about their daily customary activities at the Infirmary. Many expressions of appreciation of the part they have played in the progress of the Infirmary were made at the Alumni Dinner held at the University Club on November 13th.

Attention is called to Dr. Schall's report in which he announces the establishment of the Winthrop Foundation for the Study of Deafness and the enlargement of facilities in the Mosher Laboratory including a bacteriological section to carry on research in aviation problems submitted by the National Research Council.

Attention is also called to the reports of the Pathological, Howe and Mosher Laboratories in order to show how each supplements the work of the others and also to emphasize the very large amount of investigation and study that goes on in this Infirmary and the interest and activities of the staff in research.

## *Social Service*

Miss Helen Almy, director of Social Service since 1937, resigned to become Supervisor of Medical Social Work in the Massachusetts Department of Health. Social Service dealing with patients having Eye and Ear diseases has been considered as a specialized form of social work. This has often resulted in isolating those doing this work and preventing their being considered available for positions in other kinds of social work. Hoping that some means for correcting this might be found, Mrs. Eunice W. Wilson, Supervisor in the Massachusetts General Hospital Social Service, was appointed to make a study of this situation and to prepare a report for the Managers. She has tackled this difficult problem with great energy and her report will be awaited with interest.

Heretofore absence from work for any cause meant loss of wages. Believing it to be for the best interest of both employee and Infirmary the Managers voted to grant one week's sick leave with pay in any one year.

Consideration has been given to the possibility of joining with the Massachusetts General Hospital in the construction of a Children's Building wherein the children of both institutions would be grouped in a single unit, but as yet no decision has been reached. The problem of new operating rooms is still unsolved.

The Ladies' Visiting Committee has been as active and helpful as usual and the Infirmary has benefited in numerous ways from their gifts. During the year the following gifts have been received:

*From the Ladies' Visiting Committee:* gas toaster for the 2nd floor; money and gifts for Patients' Christmas; money for part-time Occupational Therapist.

*From other Friends:* ear radio, electric radio, toys for Gardner Ward, 2 portable radios, flowers, 10 chairs and 2 tables for piazza, books for Patients' Library, candy, money for Christmas.

*From the Needlework Guild of America:* rompers and operating room gowns.

*From the American Red Cross—Metropolitan Chapter:* surgical dressings.

Last year the Infirmary acted as host to 362 visitors on "Come and See" tours sponsored by the Community Federation, and the Director takes this opportunity of expressing gratitude for the financial support received from The Fund.

## STAFF CHANGES

*Appointments:*

Dr. Edwin B. Dunphy—Chief of Ophthalmology

Dr. William P. Beetham—Surgeon in Ophthalmology

Dr. Mahlon T. Easton—Assistant Surgeon in Ophthalmology

Dr. Albert E. Sloane—Assistant Surgeon in Ophthalmology

Dr. Earl S. Seale—Senior Clinical Assistant in Ophthalmology

Dr. Thomas Cavanaugh—Senior Clinical Assistant in Ophthalmology

Dr. Lyman G. Richards—Bronchoscopist and Oesophagoscopist

Dr. Robert G. Snow—Clinical Assistant in Oto-Laryngology

Dr. Frank J. Gavolio—Clinical Assistant in Oto-Laryngology

*Resignations:*

Dr. Edward K. Ellis—Surgeon in Ophthalmology, February 14, 1940

Dr. J. Herbert Waite—Chief of Ophthalmology, September 11, 1940

Dr. Z. William Colson—Senior Clinical Assistant in Ophthalmology, March 18, 1940

Dr. Frederick H. Salls—Clinical Assistant in Ophthalmology, January 15, 1940

Dr. Merrill Wattles—Clinical Assistant in Oto-Laryngology, March 18, 1940

*Deaths:*

Dr. J. Payson Clark—Consulting Surgeon in Oto-Laryngology, July 21, 1940

*Board of Managers:*

Mrs. Richard Cary Curtis, appointed a Manager February 14, 1940

Mr. Horace W. Frost, appointed a Manager February 14, 1940

The one great need of the Infirmary, as has been set forth in each report of the Director, is increased endowment. Bricks cannot be made without straw and the Infirmary cannot carry on its work without dollars. Each advance in medicine as for instance the development of chemotherapy through the use of sulphanilamide and similar drugs, although it means saved lives also means added cost of operation. It is true that charitable institutions are not expected to make a profit and that the deficits of the last few years have not been large, still each deficit means the loss of just so much operating capital. The Infirmary has two millions of endowment; it needs four millions to properly carry on its work.

Respectfully submitted,

NATHANIEL W. FAXON, M.D.,
*Director.*

# DIRECTOR'S FINANCIAL STATEMENT

| | January 1, 1940 to January 1, 1941 | | | January 1, 1939 to January 1, 1940 | | |
|---|---|---|---|---|---|---|
| SALARIES AND WAGES | Total | Infirmary | Out-Patient Department | Total | Infirmary | Out-Patient Department |
| Administration, Officers, Clerks, Messengers | $31,769.91 | $24,038.92 | $7,730.99 | $31,093.12 | $23,634.07 | $7,459.05 |
| Telephone | 1,513.88 | 1,294.11 | 219.77 | 1,460.15 | 1,245.16 | 214.99 |
| Dietary, Kitchen and Serving Room | 20,503.89 | 20,212.73 | 291.15 | 17,926.73 | 17,742.74 | 183.99 |
| Household and Property: | | | | | | |
| Housekeeping | 2,608.80 | 2,608.80 | .......... | 2,569.02 | 2,569.02 | .......... |
| Cleaners and Maids | 15,638.38 | 10,471.59 | 5,166.79 | 15,267.11 | 9,761.67 | 5,505.44 |
| Laundry | 6,308.89 | 6,308.89 | .......... | 6,024.22 | 6,024.22 | .......... |
| Maintenance and Repair | 13,957.98 | 13,138.13 | 819.85 | 11,545.57 | 10,967.65 | 577.92 |
| Store | 2,143.86 | 2,143.86 | .......... | 2,116.80 | 2,116.80 | .......... |
| Professional Services: | | | | | | |
| Physicians and Surgeons | 9,274.00 | 9,274.00 | .......... | 6,618.98 | 6,618.98 | .......... |
| Opticians | 6,264.49 | .......... | 6,264.49 | 6,197.99 | .......... | 6,197.99 |
| Refractionists | 10,967.10 | .......... | 10,967.10 | 11,869.55 | .......... | 11,869.55 |
| Nursing, Superintendent and Assistants | 4,056.90 | 4,056.90 | .......... | 3,908.75 | 3,908.75 | .......... |
| Graduate Nurses | 45,630.42 | 41,216.86 | 4,413.56 | 44,437.11 | 39,898.46 | 4,538.65 |
| Post Graduates and Pupils | 563.90 | 563.90 | .......... | 528.30 | 528.30 | .......... |
| Attendants and Ward Maids | 12,873.96 | 12,873.96 | .......... | 14,455.77 | 14,455.77 | .......... |
| Orderlies | 14,303.56 | 13,783.93 | 519.63 | 14,217.36 | 13,705.71 | 511.65 |
| Nurses' Home, Maids and Matrons | 2,820.26 | 2,820.26 | .......... | 2,802.21 | 2,802.21 | .......... |
| Medical Records and Library | 11,309.80 | 6,279.79 | 5,030.01 | 11,947.76 | 6,191.14 | 5,756.62 |
| Social Service | 14,070.75 | 14,070.75 | .......... | 14,184.16 | 14,184.16 | .......... |
| X-Ray Operators and Clerks | 7,626.93 | 7,626.93 | .......... | 7,739.44 | 7,739.44 | .......... |
| Laboratories | 7,431.70 | 7,431.70 | .......... | 7,341.30 | 7,341.30 | .......... |
| Apothecary | 4,752.81 | 1,875.67 | 2,877.14 | 4,195.84 | 1,648.01 | 2,547.83 |
| Occupational Therapy, Kindergarten Workers | 3,429.18 | 3,429.18 | .......... | 3,136.23 | 3,136.23 | .......... |
| Combined O. P. D. adjustment for the year | .......... | .......... | .......... | 839.31 | .......... | 839.31 |
| Total | $249,821.35 | $205,520.87 | $44,300.48 | $240,744.16 | $196,219.79 | $44,524.37 |
| Special Nurses, Private | 16,762.25 | 16,762.25 | .......... | 17,908.75 | 17,908.75 | .......... |
| Special Nurses, Wards | 4,990.50 | 4,990.50 | .......... | 4,582.25 | 4,582.25 | .......... |
| Total Salaries and Wages | $271,574.10 | $227,273.62 | $44,300.48 | $263,235.16 | $218,710.79 | $44,524.37 |
| SUPPLIES | | | | | | |
| Administration, Office, Telephone, Insurance | $14,495.08 | $13,080.25 | $1,414.83 | $15,423.98 | $13,849.48 | $1,574.50 |
| Dietary, Food | 52,131.58 | 47,719.08 | 4,412.50 | 49,774.58 | 44,721.88 | 5,052.70 |
| Other Expenses | 1,115.06 | 1,115.06 | .......... | 1,313.89 | 1,313.89 | .......... |
| Houschold and Property: | | | | | | |
| Housekeeping | 10,438.05 | 9,581.29 | 856.76 | 9,607.82 | 8,715.11 | 892.71 |
| Laundry | 1,731.67 | 1,499.26 | 232.41 | 1,887.80 | 1,628.72 | 259.08 |
| Heat, Light, Power, Water—Hospital | 18,154.12 | 14,597.80 | 3,556.32 | 20,283.65 | 15,616.90 | 4,666.75 |
| Maintenance and Repairs | 7,291.01 | 6,212.12 | 1,078.89 | 5,721.08 | 4,964.16 | 756.92 |

| | | | | | | |
|---|---|---|---|---|---|---|
| Professional Services: | | | | | | |
| Medical and Surgical Supplies | 47,867.15 | 26,332.94 | 21,534.21 | 40,946.13 | 21,856.08 | 19,090.05 |
| Optical Supplies | 22,426.89 | .......... | 22,426.89 | 24,026.11 | .......... | 24,026.11 |
| Medical Records | 2,040.73 | 1,091.34 | 949.39 | 1,880.11 | 932.73 | 947.38 |
| Social Service | 2,901.36 | .......... | 2,901.36 | 2,909.94 | .......... | 2,909.94 |
| X-Ray | 3,745.50 | 3,745.50 | .......... | 4,790.71 | 4,790.71 | .......... |
| Laboratories | 1,667.83 | 1,667.83 | .......... | 2,388.48 | 2,388.48 | .......... |
| Heat, Light, Power, Water—Nurses' Home | 2,736.16 | 2,736.16 | .......... | 2,639.47 | 2,639.47 | .......... |
| Uniforms—House Officers, Attendants, etc. | 756.90 | 408.36 | 348.54 | 686.81 | 327.09 | 359.72 |
| Carrying Charge Out-Patient Department | 14,093.54 | .......... | 14,093.54 | 14,630.40 | .......... | 14,630.40 |
| Miscellaneous | 2,838.16 | 2,838.16 | .......... | 1,981.37 | 1,981.37 | .......... |
| Combined O. P. D. adjustment for the year | .......... | .......... | .......... | 419.49 | .......... | 419.49 |
| Total Supplies | $206,430.79 | $132,625.15 | $73,805.64 | $200,472.84 | $125,726.07 | $74,746.77 |
| RECEIPTS | | | | | | |
| Board, Private Patients | $53,320.96 | $53,320.96 | .......... | $52,108.92 | $52,108.92 | .......... |
| Operating Room, Private Patients | 13,082.75 | 13,082.75 | .......... | 13,219.75 | 13,219.75 | .......... |
| X-Rays, Private Patients | 2,704.00 | 2,704.00 | .......... | 1,748.50 | 1,748.50 | .......... |
| Laboratories, Private Patients | 3,030.50 | 3,030.50 | .......... | .......... | .......... | .......... |
| Miscellaneous, Private Patients | 262.93 | 292.93 | .......... | 371.09 | 371.09 | .......... |
| Board, Ward Patients | 96,660.05 | 96,660.05 | .......... | 97,253.48 | 97,253.48 | .......... |
| Operating Room, Ward Patients | 18,780.43 | 18,780.43 | .......... | 18,977.68 | 18,977.68 | .......... |
| X-Rays, Ward Patients | 17,775.18 | 6,463.51 | $11,311.67 | 15,478.68 | 4,931.88 | $10,546.80 |
| Laboratories, Ward Patients | 4,375.10 | 4,375.10 | .......... | .......... | .......... | .......... |
| Miscellaneous, Ward Patients | 352.75 | 352.75 | .......... | 327.00 | 327.00 | .......... |
| Admissions, Out-Patient Department | 32,028.98 | .......... | 32,028.98 | 35,516.66 | .......... | 35,516.66 |
| Refractions, Out-Patient Department | 10,319.50 | .......... | 10,319.50 | 10,299.20 | .......... | 10,299.20 |
| Optical, Out-Patient Department | 56,708.78 | .......... | 56,708.78 | 55,192.49 | .......... | 55,192.49 |
| Operating Rooms, Out-Patient Department | 2,144.40 | .......... | 2,144.40 | 2,128.50 | .......... | 2,128.50 |
| Apothecary | 19,327.62 | 2,664.71 | 16,662.91 | 18,462.67 | 2,144.57 | 16,318.10 |
| Miscellaneous | 6,163.96 | 3,110.68 | 3,053.28 | 7,656.48 | 4,601.12 | 3,055.36 |
| Emergency Ward | 2,733.64 | 2,733.64 | .......... | 2,400.83 | 2,400.83 | .......... |
| Clinical Records | 711.51 | 547.66 | 163.85 | 561.30 | 447.14 | 114.16 |
| Refund of 2% on O. P. D. receipts to M. G. H. adjustment for the year | .......... | .......... | .......... | 2,335.99 | .......... | 2,335.99 |
| Total | $340,483.04 | $208,089.67 | $132,393.37 | $329,367.34 | $198,532.06 | $130,835.28 |
| Special Nurses, Private | 18,128.70 | 18,128.70 | .......... | 19,093.90 | 19,093.90 | .......... |
| Special Nurses, Wards | 4,237.90 | 4,237.90 | .......... | 3,340.00 | 3,340.00 | .......... |
| Total Hospital Receipts | $362,849.64 | $230,456.27 | $132,393.37 | $351,801.24 | $220,965.96 | $130,835.28 |

## SUMMARY—12 MONTHS

| | | |
|---|---|---|
| Salaries and Wages | $271,574.10 | $263,235.16 |
| Supplies | 206,430.79 | 200,472.84 |
| Total Maintenance Expenses | $478,004.89 | $463,708.00 |
| Extraordinary Expenses | ......... | 245.21 |
| Total Hospital Expenses | $478,004.89 | $463,953.21 |
| Total Hospital Receipts | 362,849.64 | 351,801.24 |
| Excess Expenses over Receipts | $115,155.25 | $112,151.97 |

## STATISTICS

*January 1, 1940 to January 1, 1941*

| Number of Patients: | *In Ward Jan. 1, 1940* | *Admitted* | *Treated* | *Remaining Dec. 31, 1940* |
|---|---|---|---|---|
| Public Wards: | | | | |
| Eye ......... | 65 | 2,138 | 2,203 | 46 |
| Ear ......... | 19 | 444 | 463 | 17 |
| Nose and Throat .... | 15 | 2,796 | 2,811 | 23 |
| Total ..... | 99 | 5,378 | 5,477 | 86 |
| Private Ward: | | | | |
| Eye ......... | 11 | 768 | 779 | 14 |
| Ear ......... | 1 | 92 | 93 | 9 |
| Nose and Throat .... | 8 | 804 | 812 | 3 |
| Total ..... | 20 | 1,664 | 1,684 | 26 |
| Total Public and Private Wards 1940 ........ | 119 | 7,042 | 7,161 | 112 |
| Total Public and Private Wards 1939 ........ | 116 | 7,376 | 7,492 | 119 |

| | *1940* | *1939* |
|---|---|---|
| Average number of patients treated daily in Public Wards | 114 | 119 |
| Average number of patients treated daily in Private Ward | 29 | 28 |
| Average number of days patients remained in hospital .... | 7 | 7 |
| *Number of days board furnished free .................. | 13,999 | 15,328 |
| *Number of days board paid at full rate in Public Wards . | 28,017 | 28,189 |
| Number of days board paid in Private Ward ........... | 10,669 | 10,391 |
| Total number of patients' days ........................ | 52,685 | 53,908 |

## OPERATIONS

| | | *1940* | *1939* |
|---|---|---|---|
| Public Ward: | Eye .............................. | 2,046 | 2,278 |
| | Ear, Nose and Throat .................. | 3,254 | 3,493 |
| Private Ward: | Eye .............................. | 724 | 767 |
| | Ear, Nose and Throat .................. | 714 | 706 |
| | Total ........................... | 6,738 | 7,244 |

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*These figures are obtained by taking the amount of money received for board of patients in the public wards and dividing that figure by the full rate of board prevalent at that time. This gives the number of paying patients, reckoned as though they were paying full rates. By subtracting this figure from the total of patients' days we get the number of free days.

### *Per Capita Costs and Receipts Per Day*

| | *1940* | *1939* |
|---|---|---|
| Costs: | | |
| Including special nurses, Public and Private Wards | $6.52 | $6.08 |
| Not including special nurses, Public and Private Wards | 6.11 | 5.66 |
| Of food all persons | .42 | .40 |
| Receipts: | | |
| Including special nurses, Public Wards | 3.30 | 3.06 |
| Not including special nurses, Public Wards | 3.20 | 2.98 |
| Including special nurses, Private Ward | 8.49 | 8.44 |
| Not including special nurses, Private Ward | 6.79 | 6.49 |
| Including special nurses, Public and Private Wards | 4.34 | 4.07 |
| Not including special nurses, Public and Private Wards | 3.93 | 3.66 |
| On board only, Public Wards | 2.30 | 2.23 |
| On board only, Private Ward | 5.00 | 5.01 |
| On special fees, Public Wards (Excluding board and special nurses) | .90 | .78 |
| On special fees, Private Ward (Excluding board and special nurses) | 1.79 | 1.48 |

Public Ward patients were admitted at the following rates: 10 at $35.00; 63 at $28.00; 10 at $24.50; 3,735 at $24.00; 52 at $21.00; 1 at $20.00; 12 at $15.00; 4 at $14.00; 211 at $12.00; 12 at $10.50; 504 at less than $10.50; 764 at Free.

Private Ward patients were admitted at the following rates: 11 at $56.00; 4 at $63.00; 496 at $49.00; 32 at $35.00; 1,121 at $28.00.

### *Condition of Public Ward Patients on Discharge*

| | | | *1940* | *1939* |
|---|---|---|---|---|
| Untreated | | | 3 | 3 |
| Against advice | | | 15 | 11 |
| Died | | | 21 | 29 |
| Otherwise discharged | | | 5,352 | 5,700 |
| Autopsies | | | 40% | 44% |
| Patients' days treatment: (Reckoned from discharge payments) | *1940* | *1939* | | |
| Paying patients | 42% | 41% | 17,506 | 17,871 |
| Part paying patients | 34% | 34% | 14,453 | 14,540 |
| Free patients | 24% | 25% | 10,092 | 10,696 |
| Total | | | 42,051 | 43,107 |

| Beds: | Public........185 | Private........43 | Total........228 |
|---|---|---|---|
| Occupied 1940 ... | 62% | 68% | |
| Occupied 1939 ... | 63% | 67% | |

## OUT-PATIENT DEPARTMENT

| | *New Patients* | *Revisits* | *Total Visits* |
|---|---|---|---|
| Eye | 8,001 | 45,301 | 53,302 |
| Ear | 3,106 | 22,446 | 25,552 |
| Nose and Throat | 2,450 | 15,046 | 17,496 |
| Total 1940 | 13,557 | 82,793 | 96,350 |
| 1939 | 15,061 | 85,800 | 100,861 |

| | *1940* | *1939* |
|---|---|---|
| Daily average | 318 | 335 |
| Patients treated in Emergency Ward | 3,349 | 3,236 |
| Percentage of free visits reckoned from total number of free visits Massachusetts General Hospital and Massachusetts Eye and Ear Infirmary combined Out-Patient Department | *29.8% | 38% |

(*Welfare and Board of Health cases not included)

## INVENTORIES

| Store-Room Inventory: | *Jan. 1, 1941* | *Jan. 1, 1940* |
|---|---|---|
| General Administration | $ 1,538.12 | $ 1,507.50 |
| Housekeeping and Kitchen | 3,243.89 | 2,327.50 |
| Canned Goods, Groceries, etc. | 1,305.31 | 1,427.42 |
| Medical and Surgical | 527.87 | 496.86 |
| X-Ray Department | 184.06 | 191.99 |
| Maintenance Supplies | 139.88 | 121.56 |
| Optical Department Inventory | 3,734.37 | 7,938.93 |
| Total | $10,673.50 | $12,011.76 |

# Report of the Work of the Gardner Building

## January 1, 1940 to January 1, 1941

During the past year 296 patients were treated in the Gardner Building. Of these 152 were treated on the ear, nose and throat service, the greatest number for acute infectious diseases. On the eye service 144 patients were treated.

Of the 144 eye patients, 16 were treated for trachoma. Six babies were treated for gonorrheal ophthalmia neonatorum; 39 babies for non-gonorrheal ophthalmia neonatorum; 7 adults for gonorrheal conjunctivitis, 8 adults for non-gonorrheal conjunctivitis. Of these 60 patients, none left the Infirmary with impaired vision. The remaining 68 were treated for other infectious diseases of the eyes, eye-lids and adnexa.

Thirty-one patients were transferred to Gardner Building with erysipelas and other infectious diseases which manifested themselves in the general wards of the Infirmary.

Gardner Ward was closed from August 14 to August 20 because there were no patients.

# Report of the Nursing Department

*Census of the Nursing Personnel:*

| | |
|---|---|
| Assistant to the Superintendent of Nurses | 1 |
| Supervisor | 1 |
| Instructor | 1 |
| Night Supervisor | 1 |
| Assistant Night Supervisor | 1 |
| Operating Room Supervisor | 1 |
| Operating Room Head Nurses | 5 |
| Chief Nurse Anesthetist | 1 |
| Assistant Nurse Anesthetists | 3 |
| Ward Head Nurses | 6 |
| Out-Patient Head Nurses | 3 |
| Assistant Head Nurses on Ward | 5 |
| General Duty Graduates, day and night | 17 |
| Post-Graduate student nurses | 3 |
| Affiliated student nurses | 11 |
| Total | 60 |
| Attendants | 20 |
| Orderlies | 16 |

During the year twelve graduate nurses and sixty-six students completed the two months' course in nursing. The geographical spread of the homes of the graduates was not quite as wide as usual, although it did extend through Ontario, Nebraska, Michigan, Florida and West Virginia. Students affiliate from four different schools: 42 from the Massachusetts General Hospital, 6 from Quincy Hospital, 17 from Melrose and 1 from Burbank Hospital. The last is a new affiliation. The census of graduate nurses remains the same in number, but the personnel has changed by the withdrawal of an Out-Patient Department refraction nurse and the addition of an anesthetist.

The only change in the organization of the work of the nursing department was the transferring to the dietary department the responsibility for serving the meals on the private ward. This is a continuation of the policy which was started last year on the second and third floors.

The Ladies' Visiting Committee which always makes some special gift to the ward, this year gave a gas and electric toaster to the second floor. The Infirmary equipped the same floor with square trays and the private ward, second and third floors, with electric sterilizers. Much needed fixtures were added to the lavatory equipment on the fourth floor of the nurses' residence.

Two nurses, who had served well in the Infirmary for the periods of ten and five years respectively, resigned: Miss Carolyn Matthews, who had been nurse on the Gardner Ward and Mrs. Elizabeth Monagle, who had been general duty nurse, then assistant head nurse and who, at the time she resigned, was head nurse of the Eye Clinic. Mrs. Monagle was succeeded by Miss Dorothea Stinson who has been with the institution for five years.

Miss Scherer, Instructor in Nursing since September 1, 1937, was granted a year's leave of absence for study at Boston University, from which institution she hopes to receive a degree in June. Miss Jessie Stewart, formerly head nurse on the second floor, is substitute instructor. Much to her credit, she was qualified for this position, as she had attended Boston University at night for a considerable period of time.

It is interesting to know that the Gardner Ward closed from August 14 to August 20 because there were no patients, and that from June 15 to August 24 there were no small infants. This latter situation is almost entirely due to the decrease of ophthalmia neonatorum.

The needs of the nursing service are ward secretaries on the second and third floors to relieve the head nurses and their assistants of much of their desk work. They need this relief in order that they may go out into the wards for direct supervision of the nurses and attendants. Then three more floor duty nurses are needed that the night nurses may be on from 11 P.M. to 7 A.M. and not from 7 P.M. to 7 A.M. with hours off for rest. This change would do away with the problem of finding a suitable place to rest within the hospital.

Sally Johnson, R.N.,
*Superintendent of Nurses.*

# Report of the Medical Social Service Department

In September 1940, Miss Helen Almy, Director of the Social Service Department since October 1937, resigned to accept the position of Supervisor of Medical Social Service in the Massachusetts Department of Health. Following her resignation, Mrs. Eunice Wilson was appointed Acting Director in October for one year or less, to handle the administration of the Department and to devote some time to a study of the Department. The purposes of the study, in general, are first, to consider the organization and function of the social service department in relation to the medical-social problems presented; second, to consider the possibility of closer working relationships and more uniformity in methods of work between this department and the Social Service Department of the Massachusetts General Hospital; third, to consider personnel and staff development in an institution where medical care is highly specialized.

In 1940, 3,337 different patients received some type of service, which may be divided as follows:

| | |
|---|---|
| A. Medical Social treatment | 633 |
| B. Financial arrangements only | 866 |
| C. Other unrecorded services | 1,838 |

Referrals from the services were divided as follows:

| | |
|---|---|
| A. For medical-social treatment | |
| 1. Eye Clinic | 289 |
| 2. Ear Clinic | 194 |
| 3. Gardner Ward | 16 |
| 4. Other Wards | 134 |
| B. For financial arrangements | |
| 1. Primarily from Eye Clinic for glasses | 866 |
| C. For other unrecorded services | |
| 1. Eye Clinic | 840 |
| 2. Ear Clinic | 417 |
| 3. Gardner Ward | 50 |
| 4. Other Wards | 531 |

*Eye Service.* The Glaucoma Class, started last year, met weekly from November 1939 to May 1940 and was helpful and interesting to the patients. Social Service assisted Dr. Garrett L. Sullivan with arrangements for the class by selecting patients, mailing invitations, and keeping notes of questions raised by the patients at each session. There were 222 patients, also 64 relatives and friends, who attended. There were some obstacles to attendance, e.g. the expense of transportation in some instances; the inability of employed patients to leave their work, and the fact that some elderly patients were too fatigued after a morning in the clinic to remain for the class.

There were 297 new patients with glaucoma, registered this year. The follow-up list included 1,041 patients. Out of this number 75 patients received medical social treatment. The social worker believes many more patients needed assistance but the extensive follow-up did not permit handling any but the most urgent social situations.

Due to the change in frequency of certain diagnostic groups in the Eye Clinic, the social work emphasis has shifted somewhat from follow-up and supervision, which were formerly so essential in public health problems, and has begun to focus more directly upon the social problem of the individual patient in relation to his medical condition. There has been discrimination recently in the referral of patients to the Division of the Blind. Formerly, adults with 20/200 vision and children with 20/70 vision were routinely referred from data on medical records, without consulting the patients. It was often disturbing for patients to have a worker from the Division of the Blind visit their homes, when the patients neither knew they had been reported to the Division, nor been prepared for the type of service which could be offered. Many parents were alarmed, assuming their child was going blind because of the Division's interest. All patients or parents, if patient is a child, are now interviewed by the social worker before they are reported. If it is found that patients do not need or desire the services of the Division, names are registered for statistical purposes but no action is taken.

Number of patients referred to the Division of the Blind 183.

With the help of Dr. Edwin B. Dunphy, follow-up on the Eye Service has been definitely outlined as to diagnostic groups and the responsibility Social Service is to take. In addition to diagnoses previously followed, all children from one to eight years, with strabismus, are being listed and patients with congenital cataracts are being followed for a trial period of one year.

Eye follow-up included 235 patients in 1940.

*Ear Service.* More emphasis has been put this year upon the importance of lip reading instruction for children with hearing losses in regular schools and lip reading for the young adult group in night schools. Special educational adjustments through the speech clinic, the Sarah Fuller Foundation Home Teachers, public school kindergartens and schools for the deaf have been made wherever possible. Through the State Department of Rehabilitation a number of patients with severe hearing loss have been placed in training courses; some have received gainful employment.

A Master student from Simmons College School of Social Work surveyed 42 patients in the Ear Clinic for whom hearing aids or lip reading instruction had been advised. This study was of interest in showing how patients respond to the medical recommendations and their reasons for not accepting them in some cases. It also gave the patients' evaluation of their hearing aids and lip reading instruction. It showed some patients badly adjusted to their deafness and indicated ways in which Social Service could make more helpful contributions to patients with severe hearing losses.

The social worker in the Ear Clinic has cooperated with several physicians, interested in studying particular medical problems, by sending for patients and arranging for hearing and audiometer tests.

There are many social problems which cannot be adequately handled due to the pressure of numbers of patients to be interviewed and important routine procedures which are carried out by the social worker.

| | |
|---|---|
| Number of children with hearing loss reported to schools | 475 |
| Number of adults with hearing loss reported to guide for the hard of hearing . . . . . . . . . . | 99 |
| Number of patients followed because of ear conditions . | 1,342 |

*Teaching Responsibilities.* A three day institute on medical social problems with the visually handicapped and the hard of hearing was held at the Infirmary in May 1940 for Master Students in Medical Social Service from Simmons College School of Social Work. Physicians, nurses and social workers participated in the course. Two Master students from Simmons College School of Social Work also came to the Infirmary for field work training in general medical social problems.

The Ladies' Visiting Committee has continued its interests and support of this department and this year relieved the Social Service Department of Christmas planning for patients on the wards. Volunteers have given 728 hours of service.

### *Financial Report*

| | |
|---|---|
| Number of patients interviewed in regard to glasses | 1,063 |
| Number of glasses secured through Social Service including 25 glass eyes | 878 |
| Cost of glasses and eyes arranged through Social Service | $4,515.01 |
| Paid by patients (partial or total cost) | 1,164.49 |
| Paid by Social Service from<br>Special Glass Fund<br>Permanent Charity Fund<br>Benton Fund | 1,933.41 |
| Paid by Community Federation Fund | 1,080.51 |
| Paid by Other Social Agencies | 336.60 |
| Other medical relief expenditures (convalescence, dentures, and other medical apparatus) | 284.70 |
| Total Medical Relief | 4,799.71 |

Eunice W. Wilson,
*Acting Director of Social Service.*

# Report of the Dietary Department

The Dietary Department was pleased to receive from the Ladies' Visiting Committee a gas toaster for the Second Floor, which was installed in February, 1940. In March, 40 square trays and a new tray truck were purchased for the Second Floor, and in June, cups and saucers replaced the mugs used on the same Floor.

The following equipment was purchased from the Massachusetts General Hospital and subsequently installed:

2 8-gal. Jacketed Urns to be used in main kitchen
3 Steamers
1 Tray rack with wooden shelves
Gas ovens for the Bake Shop
2 Gas toasters—now in use on the Third and Private Floors

On July 1, 1940, a full-time man was employed to relieve pressure on the kitchen employees caused by added duties in the Dietary Department which were a result of taking over food service on the Floors. This man is also responsible for weighing of all garbage.

Food service on the Private Floor is now completely supervised by the Dietary Department.

On November 13th a buffet luncheon was served to 191 guests at the House Officers' Reunion in the Ear Clinic.

Following her marriage to Mr. James Delaney, Miss Vera Marquis, Dietitian, resigned on November 1, 1940, to live in Canada. She was replaced by Miss Isabel Cook.

Miss Frances Botsford joined the staff as Therapeutic Dietitian November 1, 1940.

The number of special diets served during 1940 was 5,818, a daily average of 16, including over 40 types.

During 1940, 17 student dietitians received five weeks' training in therapeutic and administrative work at the Eye and Ear Infirmary.

Isabel F. Cook,
*Dietitian.*

# Report of the Occupational Therapy Department

The year 1940 marks the completion of fifteen years of Occupational Therapy at the Infirmary. With this milestone comes the near realization of the dream for adequate quarters: a work-shop combined with sufficient space for a Patients' Library where the patients can get away from the wards for a good part of the day after they have started to convalesce.

When we are finally moved and established under one roof near the wards there will be inaugurated a revised program of activities which will be in marked contrast with the original focus of interest on crafts. Occupational Therapy must be an integral part of the field of medicine and of rehabilitation. It must be made more readily available to the doctors in industrial accident cases, by educating fingers to replace sightless eyes, by giving practice in the acquiring of stereoscopic vision when one eye has been lost, and by teaching those who have had complete removal of the larynx or "voice box" to talk with the aid of that marvelous invention the Artificial Larynx.

It is also hoped that a planned program to fit the needs of those who have to return frequently to the Out-Patient Clinic can be successfully worked out with the cooperation of the Medical-Social Service Department. There is a growing need for a more permanently planned program for a large number of our patients who are not sufficiently handicapped to be eligible for certain State benefits but who are not ready to resume their former occupation or industry.

In addition to these plans it is to be hoped that there can be a closer tie-up with the Aural Department in helping those with partial or complete loss of hearing to better adjust to that condition. With the research now being conducted by Dr. Ruth Guilder under a grant from the Winthrop Foundation we will be better able to co-operate in this and thereby enlarge our field of usefulness to the Infirmary.

Two outstanding events of the year should be mentioned.

During the Convention of the American Occupational Therapy Association held in Boston, at which nearly five hundred therapists from the United States, Canada, Hawaii, and one from England were registered, this department collaborated with that at the Massachusetts General Hospital in holding Open House on the afternoon of September 19th. Our part of the program consisted of the presentation by Dr. LeRoy Schall of his film on the Total Laryngectomy with oral comments graphically showing how necessary Occupational Therapy is to these patients. The showing of other films was followed by tea served by the combined Ladies' Visiting Committees and conducted tours to the Occupational Therapy Departments, the libraries, the new George Robert White Building, the Ether Dome and other points of interest in the entire group of buildings.

The "Novelty Boys from the Golden West," Jimmie and Dick of Radio Station WEEI, entertained the patients on Monday, December 23. They gave most unstintingly of their time and talents to every one of the one hundred patients who were in the hospital that day and all agreed that as a gift it was one of the best. Arrangements for the appearance of these popular Radio Stars were made through the kindness of Mr. John J. Caddigan at the thoughtful suggestion of his assistant, Mr. Harold Fitzgerald, of the Boston Edison Company; and through the direct planning of Mr. L. G. delCastillo, program director of Station WEEI.

We have been most fortunate in having a number of willing volunteers, who have in the time given done much to help keep the department running at top speed. Owing to school and college requirements as well as the obtaining of permanent positions many of our volunteers were not able to stay with us long. However we appreciate their services, especially those who helped at the holiday season when the stress was particularly heavy. The Dietary Department offered their services in the making of tray favors, and their students gave extra time before Thanksgiving and Christmas.

Through the continued generosity of the Ladies' Visiting Committee the department has had as a part-time assistant the able help of Mrs. Anne Marcy Olsen, a 1940 graduate Occupational Therapist, whose duties are principally concerned with the Patients' Library. With the now possible regularity of "Library Days" the total number of patients reached by the Library alone has been increased over last year by 1,015. It has also been possible for the 1.5 therapists to extend their other services beyond actual bedside therapy, namely: Game Therapy and Conversational Therapy, to reach an increasing number of patients.

Since the above mentioned growth in the therapeutic program has become increasingly important there has been a necessity for keeping more detailed records than heretofore. Thus our statistical records now show not only the number of patients contacted but also what type of therapy they have received and what percent of the entire hospital population the present limited department is able to serve. Therefore, in the six months that these more detailed statistics have been kept, the figures show that Occupational Therapy in one form or another has reached an average of 19 out of 96 patients available for treatment.

| | *1939* | *1940* |
|---|---|---|
| Daily average number patients seen | 18.41 | 37.6 |
| Total patients for the year | 873 | 1,125 |
| Occupational Therapy | 125 | 120 |
| Bibliotherapy | 748 | 758 |
| Game Therapy | | 247 |
| Total treatments for the year | 3,682 | 6,067 |
| Occupational Therapy | 795 | 1,488 |
| Bibliotherapy | 2,387 | 3,402 |
| Game Therapy | | 1,177 |
| Total volumes circulated | 5,456 | 7,148 |
| Number volunteers for year | 2 | 14 |
| Number Therapists in Department | 1.5 | 1.5 |

HELEN K. WADE, O.T.R.,
*Director Occupational Therapy.*

# Report of the Pathological Laboratory

THE new Minot Precision Microtome, obtained for the laboratory last March, has made it possible to cut thinner more uniform sections and has also speeded all section work materially, not only allowing routine work to be completed more promptly but facilitating more investigative studies. Four hundred and twenty-five tissue specimens have been received this year. In addition, more than 6,550 other clinical laboratory tests were done. Of the tissue specimens submitted, 120 were tumors, 44 of which were malignant including 23 malignant melanomas and 5 retinoblastomas. In one of the specimens of malignant melanoma of the choroid, the neoplasm had extended through wounds of a previous Safar operation for separated retina. Other accessions of unusual interest included an eye from a patient with osteogenesis imperfecta, a specimen of secondary elephantiasis, three new cases of epithelization of the anterior chamber, a benign melanoma of the choroid, two epithelial tumors of the corneal limbus and a malignant melanoma of the lids which had extended to the episclera. The embryology collection has been enlarged and the new specimens also are being used to obtain sections of the developing ear for Dr. Lurie.

A technique for rapid pathological diagnosis of retinoblastoma has been developed by which it is possible to diagnose a suspected tumor of this type within a few minutes of the time the specimen is received in the laboratory. A modified trichrome stain has been tested out and appears to be of real value in certain cell differentiation unobtainable by the hematoxylin and eosin stain. As this new stain fades rapidly, investigation of other modifications to insure greater permanency is being done.

Dr. Jack Finkelstein of Chicago contributed considerable time and effort in developing a method whereby the lantern slide library could be reproduced on 35 millimeter film for use in 2″ x 2″ lantern slides. This change would facilitate a less fragile slide collection which could be inexpensively copied for more widespread use by all the staff members in teaching and in illustrating lectures as well as reduced expense in adding to the library. By use of this method Dr. Howard was able to produce some photomicrographs during his externship.

The laboratory material has been used extensively for graduate teaching in the courses in Embryology, Histology and Pathology and also for the undergraduate elective course in Ophthalmology. Dr. Saul Sugar of the Illinois Eye and Ear Infirmary spent three months here studying the pathology of glaucoma. He used some of our photomicrographs in his recent paper "Concerning the Chamber Angle. I. Gonioscopy."

The volunteer work of Dr. Chisholm in the laboratory has added to the amount of investigation possible. Further experimentation on epithelization of the anterior chamber and on lymphatics of the orbit has been carried on.

The research on the pathology of keratoconus by Dr. Terry and Dr. Chisholm lead to further development of the pressure treatment. This treatment appears to be very beneficial in advanced cases. A report on this subject was given before the Association for Research in Ophthalmology at New York. During his externship Dr. Johnson studied problems relative to the miosis that develops in the course of this treatment. Dr. Terry has continued his investigation of the pathological effect on the eye of changes in external pressure.

The current study by Dr. Terry on malignant melanoma has been concentrated on methods of extension of the tumor outside the eye. This includes extension along the optic nerve as well as through the sclera. During the second half of the year the correlation of clinical and pathological findings by the Eye Tumor Clinic has been temporarily retarded through staff changes in other departments but this study will be resumed soon.

A study evaluating fluorescence of tissue as an aid in pathological diagnosis is well under way. This includes both gross and microscopic examinations.

Theodore L. Terry, M.D.
*Pathologist.*

# Report of the Howe Laboratory of Ophthalmology

On September 1, 1940, Dr. Frederick H. Verhoeff retired as Director of the Howe Laboratory and was succeeded by Dr. David G. Cogan as Acting Director. For nearly a decade Dr. Verhoeff had given to the Laboratory a character and a reputation that made it one of the few outstanding institutions for ophthalmic research in this country. He imparted to it and to those who were fortunate to work with him a high standard of intellectual honesty and an uncompromising appreciation of original investigation.

During 1940 Dr. Verhoeff in conjunction with Dr. V. G. Simpson completed and reported an investigation of a case of "Tubercle Within the Central Retinal Vein." Dr. Verhoeff also reported "A Case of Leptotrichosis Conjunctivae (Parinaud's Conjunctivitis) Without Glandular Involvement." With the assistance of Mr. Thomas Blake, formerly technician in the Laboratory, Dr. Verhoeff improved the modified Gram staining method which he devised in 1913. This improvement is described in an article entitled "Improved Method of Staining Within Tissues, Leptotriches and Gram-Positive Micro-Organisms." In November Dr. Verhoeff delivered the de Schweinitz lecture in Philadelphia. This was based upon studies he had made in the Howe Laboratory during the past five years and was entitled "Occlusion Hypertropia." A new explanation is offered for the peculiar oculomotor anomaly, alternating hyperphoria. Under the title "Phi Phenomenon and Anomalous Projection" Dr. Verhoeff also published his investigation of this phenomenon as manifested in squinters. Such an investigation had never previously been made by anyone. Two further reports by Dr. Verhoeff have recently appeared, "Improved Kinetic Test For Binocular Stereopsis" and "A Serrated Discission Knife."

During the past year, Dr. Ludvigh has published a paper on "The Determination and Significance of the Photopic Retinal Visibility Curve." Accepted for publication by the American Journal of Ophthalmology and the Archives of Ophthalmology respectively, are two other articles, "Extra-foveal Visual Acuity as Measured with Snellen Test Letters" and "The Effect of Reduced Contrast on Visual Acuity as Measured with Snellen Test Letters." He has also read before the New England Ophthalmological Society a paper entitled "Some Aspects of the Visual Mechanism in Amblyopia Ex Anopsia."

With Dr. Garrett L. Sullivan, Dr. Ludvigh is investigating the effect of the fixation object in campimetry with the Bjerrum screen. If the visual acuity of the eye tested is poor it appears that many of the small central scotomas found by the orthodox method of testing are more apparent than real.

Dr. Ludvigh is continuing his investigation of the light difference sense in amblyopia ex anopsia. Serial tests of the light difference sense of the amblyopic eye during the course of occlusion of the sound eye may provide further interesting results.

Dr. Ludvigh has been working for some time on problems concerned with the visual acuity and stereoscopic acuity exercised by the eyes when viewing a moving object. Publication of this work will be indefinitely delayed. In many of the above problems he has been ably assisted by Mrs. Carol Sargent.

Dr. Gundersen has continued his work in the Howe Laboratory on a part time basis and his particular interests have remained along the line of his former investigations, namely, infections of the eye and a group of special degenerative conditions of the cornea and conjunctiva. He has also had some unusual experiences with the treatment of tumor of the choroid. With Dr. John Talbot, an investigation of the chemistry of tears is being continued. Through the co-operation of the Angell Memorial Animal Hospital and the facilities offered there, Dr. Gundersen has made some interesting studies in comparative ophthalmology, especially with periodic ophthalmia in horses, interstitial keratitis in the dog and free floating cysts in the anterior chambers of dogs. Some fine specimens have been obtained for study.

Dr. King has collected several additional cases of ocular sarcoid which he hopes to report in the near future. Together with Dr. Earle Chapman, Dr. King has pursued his chemical and metabolic investigations on patients with certain degenerative and hemorrhagic ocular conditions of unknown etiology. The chick embryo technique of cultivating virus is being currently investigated by Dr. King.

During 1940 Dr. Colson published a paper "The Effect of Alcohol on Vision," embodying his investigations of various ocular functions following alcohol ingestion.

Dr. Burger has further added to the collection of clinical photographs. These are expected to be of great service for teaching purposes.

Dr. Messenger has continued his collection of material for a History of the Literature of Ophthalmology.

On December 15, V. Everett Kinsey, Ph.D., was appointed Assistant in Ophthalmic Research. Dr. Kinsey came from the Medical School of the University of Pittsburgh, where he was in charge of a research project concerned with the biochemical and morphological effects on the eye of excessive amounts of heat and light radiation. At the Howe Laboratory Dr. Kinsey will extend his biochemical investigations of the eye particularly with regard to correlating the normal metabolism of the crystalline lens with those aberrations which lead to cataract formation.

Dr. David G. Cogan has pursued his studies on experimental bullous keratitis. A preliminary report entitled "Experimental Production of So-Called Bullous Keratitis" was published in the Archives of Ophthalmology in May. In addition, two other reports relative to the subject have been accepted by the Archives of Ophthalmology for publication in the near future. They are "Practical Considerations Pertaining to Corneal Edema" and

"Contribution to the Study of Bullous Keratitis with Particular Reference to the Pathology of Experimental Corneal Vesiculation." A fourth paper is in preparation dealing with the treatment of bullous keratitis according to a new principle arising from the experimental production of the disease. It is noteworthy that this series of four papers reports for the first time the experimental production of this common clinical condition, offers an explanation for many of the heretofore puzzling pathological changes, establishes the pathogenetic similarity of the experimental and clinical conditions, and suggests an effective treatment for this usually resistant disease. A wholly unexpected result of this investigation and one which will be further studied is the apparent probability that all types of epithelial edema of the cornea are, like bullous keratitis, due to imbibition of tear fluid rather than to extravasation of serum or aqueous as formerly assumed.

Another article by Dr. Cogan entitled "Some Ocular Phenomena Produced by Polarized Light" has been accepted for publication in the Archives of Ophthalmology in the near future. Among other observations the in vitro production of Haidinger's brushes is reported for the first time. This phenomenon which was originally described about 100 years ago has heretofore been observed subjectively only and has been generally attributed to the retina. Dr. Cogan's experimental production of it, however, indicates that the cornea and lens are capable of eliciting it under the proper conditions.

In an article entitled "Waltzing Guinea Pigs with Particular Reference to Ocular Movements and Righting Reflexes" published in the Archives of Ophthalmology, July 1940, Dr. Cogan reported his studies on these interesting animals. For the first time evidence is presented to indicate that the waltzing guinea pig shows no labyrinthine control over eye movements or righting reflexes. This is of particular interest inasmuch as the labyrinthine end organs and vestibular nerves are reported to be histologically normal.

The annual report on progress in ophthalmology for the New

England Journal of Medicine was again written by Dr. Cogan and appeared in the April issue.

Several other studies which have not yet yielded results for publication have been and are continuing to be carried out in the Howe Laboratory. Among these the following may be noted: Dr. Cogan's observations on opticokinetic nystagmus, Dr. Cogan's investigations with Dr. Augustus Rose on chronic progressive ophthalmoplegia externa, and with Dr. Morton Grant on vapor pressure of tears.

With Dr. Verhoeff's retirement changes in the Laboratory will be inevitable. The policy of the Laboratory will depend largely on its personnel, on working space available, and on other factors yet to be settled. It is now planned to have more full time investigators on the staff. In addition to the present three full time and two part time members, it is proposed to establish two annual fellowships in conjunction with the Department of Ophthalmology. With the increase in active personnel and technical assistants the problem of space is obviously a major one. The quarters occupied by the Laboratory have not increased commensurate with the Laboratory development. Some improvement has been achieved by obtaining a small room in the basement for machine shop equipment and especially by obtaining for the use of the Laboratory the adjacent room which has been previously reserved for chemistry.

The Laboratory personnel has continued to take an active part in the ten weeks' post-graduate course, "The Basic Sciences in Ophthalmology." About two thirds of the teaching was done this year by the Howe Laboratory staff. This course is an experiment in ophthalmic education and the teaching of it fits in well with the investigative purposes of the Laboratory. It is under the direction of Dr. Cogan in conjunction with Drs. Terry and Ludvigh.

The Laboratory is fortunate in obtaining the services of Miss Sally Walker as secretary-technician.

The Howe Library continues to be an essential part of the unit, vital to the Laboratory and beneficial to all who have occasion to use its extensive resources. During the past year 37 bound periodicals and 54 books were added to the library. Fourteen of these volumes were donated to the library.

David G. Cogan, M.D.
*Acting Director.*

# Report of the Department of Ophthalmology

The Staff regrets to announce the resignation of Dr. J. Herbert Waite as Chief of Ophthalmology. After completing his house officership at the Infirmary in 1923, Dr. Waite advanced through the various grades on the Visiting Staff to the position of Ophthalmic Surgeon in 1931. In 1932, following the death of Dr. George Derby, he was appointed Acting Chief and in 1936 Chief of Ophthalmology, and since then has guided the destinies of the Eye Department. During his 8 year regime, many beneficial changes occurred in the organization of this department. A great expansion in graduate teaching took place including a more comprehensive and systematic program of house officer instruction. The vision room and perimetry room were put in charge of trained salaried staff members. We regret his resignation but we are glad he will still be with us in the capacity of a consultant.

The Eye Clinic continues to be the busiest of all the various clinics of the Massachusetts General Hospital and Massachusetts Eye and Ear Infirmary Combined Out-Patient Department. This year its total number of Out-Patient visits exceeded 53,000, somewhat more than the handling capacity of the visiting staff.

The Perimetry room averaged 182 field examinations per month under the guidance of Dr. Garrett L. Sullivan.

The Vision room averaged 1,259 refractions per month. Dr. Julian F. Chisholm, Jr., continues as head of this department.

The "Glaucoma Class," organized last year for the education of glaucoma patients, was a distinct success. Two hundred and twenty-two patients attended these sessions throughout the year to hear non-technical discussion of problems relating to their disease. These classes will be continued.

The term of house officership has been increased to 24 months preceded by an externship of three months during which only the fundamental sciences relating to ophthalmology are studied.

A new Diathermy apparatus for operations on detached retinas has just been obtained for the operating room.

The purchase of a Nordensen Fundus Camera for colored photography of the interior of the eye has been made possible by the generosity of Mrs. James Farrell of Albany.

We have also obtained a new slit lamp for the eye clinic from a small fund which has accumulated from post-graduate teaching.

Closer collaboration with the oto-laryngological department is being worked out in the handling of Toti-Mosher operations, so that now each department gets a fair share of the work.

The Department of Ophthalmology and The Howe Laboratory look forward in the future to the establishment of a teaching fellowship which should constitute a bridge between clinical and research ophthalmology and which, it is hoped, may attract to the Infirmary, on a yearly appointment basis, some of the most capable younger men of the country for teaching and experimental work.

EDWIN B. DUNPHY, M.D.
*Chief of Ophthalmology.*

# Report of the Department of Oto-Laryngology

I HAVE the honor to submit my second annual report.

Through the cooperation of a staff loyal to the Infirmary, the Departments of Otology and Laryngology have functioned smoothly and efficiently.

The attendance in the Out-Patient Departments still tax their capacity and many serious cases have been cared for in the House.

It has been my conviction that men who are no longer on the active staff should maintain their contact with the work of the Infirmary; and their experience utilized wherever possible. Toward this ideal, Dr. Oliver R. Lothrop, Dr. Calvin B. Faunce, and Dr. George L. Tobey, Jr., each spend one morning a week in the Out-Patient Department where they act as instructors for the House Officers.

The Endoscopic Service has been rearranged with Dr. Lyman G. Richards in charge. He is welcomed back at the Infirmary and his work in the past year more than justifies his appointment. Through friends of the Infirmary a sum of money was raised, sufficient to provide the latest endoscopic instruments, and to round out our endoscopic equipment.

Last May, "The Winthrop Foundation" for the study of deafness was established. This study will concern itself particularly with the school and pre-school child, and besides evaluating their medical and surgical treatment, will attempt to aid in readjustments in life. This work is being carried out under the direction of Dr. D. Harold Walker, Chairman, Dr. Harold G. Tobey, Dr. Philip E. Meltzer, Dr. Edgar M. Holmes, and Dr. Charles I. Johnson. Dr. Ruth Guilder, formerly of the Clarke School of the Deaf, is in active charge as a full time worker, and Dr. Werner Mueller as otologist.

At the request of the National Defense Council, the Laboratory is undertaking a series of investigations concerning aviation medicine and the effects of sound upon efficiency. To enable us to undertake this study, the Mosher Laboratory has been remodeled to accommodate the increased laboratory personnel.

With the increased importance of chemotherapy in oto-laryngologic disease, the bacteriological laboratory was found to be pathetically inadequate. It is hoped that by the time this report is printed, this problem will have been solved.

After eight years in The Howe Laboratory of Ophthalmology, Mr. Thomas Blake changed his allegiance to otolaryngology and is now in charge of the Mosher Laboratory, working under the direction of Dr. Lurie. Mr. Blake is not only a trained laboratory technician, but is also a well qualified bacteriologist.

The educational function of the hospital continues to be well served by the Wednesday Staff meetings. The frank discussion of cases, without personalities, is one of the outstanding contributions of the Infirmary Staff to otolaryngology. These meetings attract physicians from all over New England and they make for a fine "esprit de corps."

The Infirmary Staff continues to be in demand as speakers before scientific meetings. It is gratifying to see so many of them on the programs of the National Societies, and so many in attendance at the annual meetings. During the past year, Dr. Richards served as President of the Broncho-Esophological Society. Dr. Schall served his third term as secretary of the Section on Laryngology, Otology and Rhinology of the American Medical Association, and was elected Chairman of the Section for 1940-1941, and Dr. Charles T. Porter was elected Vice-President of the American Laryngological Association.

LeRoy A. Schall, M.D.
*Chief of the Departments of*
*Otology and Laryngology.*

# Report of the X-Ray Department

The volume of work has increased over the preceding year. It is interesting to note in the tabulation of the different types of examination made that the advent of chemotherapy has not influenced the number of examinations made in infections of the mastoid.

Tabulation of cases is as follows:

| | | |
|---|---|---|
| Thymus | 1,484 | |
| Mastoids | 1,192 | |
| Sinuses | 2,654 | |
| Teeth | 546 | |
| Foreign Body eye | 163 | |
| Chest | 527 | |
| Esophagus | 296 | |
| Skull | 81 | |
| Nose | 140 | |
| Jaws | 129 | |
| Treatments | 1,050 | |
| Sella turcica | 9 | |
| Lipiodol | 10 | |
| Cervical spine | 190 | |
| Miscellaneous | 42 | |
| Petrous | 55 | |
| Optic canal | 8 | |
| Bronchoscopy | 2 | |
| Long bones | 15 | |
| Abdomen | 31 | |
| Number of examinations | 8,624 | |
| Number of patients | 7,808 | |
| Bouginage | | |
| Number of treatments | 470 | |
| Number of patients | 151 | |
| Total number of examinations for year | | 9,094 |
| Total number of patients for year | | 7,959 |

A. S. Macmillan, M.D.
*Roentgenologist.*

# Scientific Papers Published or Read by the Staff

## January 1, 1940 to January 1, 1941

### DEPARTMENT OF OPHTHALMOLOGY

"Fifty Years Study and Experience with Ocular Motility." By Dr. Walter B. Lancaster. Read before the Pacific Coast Oto-Ophthalmological Society, Spokane, Washington, June, 1940. (To be published in part in the *American Journal of Ophthalmology.*)

"Treatment of Heterophoria." By Dr. Walter B. Lancaster. American Academy of Ophthalmology and Otolaryngology Lectures at Cleveland, Ohio, October, 1940.

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"Pathology of Glaucoma." By Dr. Theodore L. Terry. Course at the American Academy of Ophthalmology and Oto-Laryngology, Cleveland, Ohio, October, 1940.

"Atopic Cataracts." By Dr. William P. Beetham. *Archives of Ophthalmology,* July, 1940.

"Ocular Motor Disturbances in Neurophthalmological Conditions." By Dr. Virgil G. Casten. New York Society for Clinical Ophthalmology, March 4, 1940.

"Ocular Muscles." By Dr. Virgil G. Casten. Lecture at the New York Eye and Ear Infirmary, May 24, 1940.

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Discussion of Dr. G. G. Jame's paper, "Tetano Cefalico de Origem Ocular" by Dr. Virgil G. Casten, before the Pan American Congress of Ophthalmology at Cleveland, Ohio, October 8-12, 1940.

Discussion of Dr. S. R. Gifford's paper, "Transplantation of Muscles for Paralysis of the External Rectus" by Dr. Virgil G. Casten, before the Pan American Congress of Ophthalmology at Cleveland, Ohio, October 8-12, 1940.

"Ocular Motor Anomalies." By Dr. Virgil G. Casten. Foundation Lecture State Eye, Ear, Nose and Throat Meeting, Columbia, South Carolina, November 5, 1940.

"IV Nerve Paralyses." By Dr. Virgil G. Casten. Lecture at Wilmer Institute, Johns Hopkins Medical School, Baltimore, Maryland, November 4, 1940.

Discussion of Dr. John E. Evans' paper, "Clinical and Angio Scotometry" by Dr. Virgil G. Casten, before the New England Ophthalmological Society Meeting, Boston, Massachusetts, December 17, 1940.

"Acute Serous Tenonitis." By Dr. Hugh C. Donahue. *American Journal of Ophthalmology,* Vol. 23, No. 8, August, 1940.

"Corneal Molding for Contact Glasses—Adjustable Fixation Target and Simplified Procedure for Removing Mold." By Dr. Julian F. Chisholm, Jr. *Archives of Ophthalmology,* September, 1940, Vol. 24, pp. 552, 553.

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"Osteomyelitis of the Frontal Bone as a Complication of Infection of the Frontal Sinus." By Dr. Harris P. Mosher. *Journal of the American Medical Association,* October 5, 1940.

"A Talk to House Officers and the Submaxillary Approach to the Tip of the Temporal Bone." By Dr. Harris P. Mosher. *Annals of Otology, Rhinology and Laryngology,* March 1940.

"The Head Cold." By Dr. LeRoy A. Schall. South Eastern District of the Massachusetts Dental Society, New Bedford, March 20, 1940. (An Address.)

"Unusual Tumors of the Upper Respiratory Tract." By Dr. LeRoy A. Schall and Dr. David P. Cordray. Read before the American Laryngological Association, May 27, 1940. Rye, New York. Transactions (1940) pp. 29.

"Dyspnoea due to Congenital Anomaly of the Aorta." By Dr. LeRoy A. Schall and Dr. Louis G. Johnson. Read before the American Broncho-Esophageal Society, June 6, 1940, New York, N. Y. (In press.)

"Cancer of the Larynx—Cancer, a Manual for Practitioners." By Dr. LeRoy A. Schall. Massachusetts Medical Society—Rumford Press, 1940.

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"Sinus Pathology." By Dr. LeRoy A. Schall. Otolaryngological Section, District of Columbia, Medical Society, Washington, D. C. October 18, 1940. (An address.)

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"Surgical Treatment of Hemiatrophy of the Face." By Dr. V. H. Kazanjian and Dr. Somers H. Sturgis. *Journal of The American Medical Association.* Vol. 115, pp. 348-354, August 3, 1940.

"X-Ray Findings in Sinus and Mastoid Pathology." By. Dr. A. S. Macmillan. Syracuse Academy of Medicine, Syracuse, N. Y., April 16, 1940.

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"Roentgen Examination in Sinusitis and Mastoiditis." By Dr. A. S. Macmillan. Instruction course American Roentgen Ray Society, Boston, Massachusetts, October 3-5, 1940.

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"The Relation of Sinusitis to Chronic Nontuberculous Chest Infection." By Dr. Robert L. Goodale. *New England Journal of Medicine,* 223:654-656, 1940.

"The Management of Sinusitis in Cases of Bronchiectasis." By Dr. Robert L. Goodale. Not yet published. Read at meeting of American Academy of Ophthalmology and Otolaryngology at Cleveland, Ohio, October 9, 1940.

"The Effect of X-Radiation on Tonsillar Tissue." By Dr. Charles I. Johnson, Dr. Robert S. Palmer, Dr. L. Alexander Vance. *Annals of Otology, Rhinology and Laryngology,* September 1940, Vol. 49, No. 3, page 755.

"Progress in Otolaryngology." By Dr. John R. Richardson and Dr. Edgar M. Holmes. *Archives of Otolaryngology,* October 1940, Vol. 32.

"Otogenic Complications. A Resumé and Discussion of the Literature for 1939." By Dr. Lyman Richards. *The Laryngoscope,* September 1940, Vol. L.

"Practical Aspects in Bronchoscopy." By Dr. Lyman Richards. Lecture given in Nashua, N. H., for Hillsboro County Medical Society, October 29, 1940.

"Problems in Bronchoscopy." By Dr. Lyman Richards. Lecture given at St. John's Hospital in Lowell (Massachusetts Public Health), November 8, 1940.

"Treatment of Diseases of the Throat." By Dr. Lyman Richards. *Journal of the American Medical Association,* July 1940.

"Presidential Address for the American Broncho-Esophagological Society." By Dr. Lyman Richards. *Annals of Otology, Rhinology and Laryngology,* September 1940.

"Vegetal Foreign Bodies in the Bronchi." By Dr. Lyman Richards. To appear in the Annals.

# Publications of the Staff of the Howe Laboratory of Ophthalmology

## 1940

"Tubercule within Central Retinal Vein." By F. H. Verhoeff, M.D. *Archives of Ophthalmology,* 24:645-652, 1940.

"Improved Method of Staining within Tissues, Leptotriches of Parinaud's Conjunctivitis and Gram Positive Micro-organisms." By F. H. Verhoeff, M.D. *Journal of the American Medical Association,* 115: 1546-1557, 1940.

"Phi Phenomenon and Anomalous Projection." By F. H. Verhoeff, M.D. *Archives of Ophthalmology,* 24:247-251, 1940.

"Improved Kinetic Test for Binocular Stereopsis." By F. H. Verhoeff, M.D. *American Journal of Ophthalmology,* 23:320-321, 1940.

"A Serrated Discission Knife." By F. H. Verhoeff, M.D. *Archives of Ophthalmology,* 24:1010, 1940.

"A Case of Leptotrichosis Conjunctivae (Parinaud's Conjunctivitis) without Glandular Involvement." By F. H. Verhoeff, M.D. Transactions, Ophthalmic Section, American Medical Association, 1940.

"The Determination and Significance of the Photopic Retinal Visibility Curve." By Elek J. Ludvigh, Ph.D. *Archives of Ophthalmology,* 24:168-181, 1940.

"Extra-foveal Visual Acuity as Measured with Snellen Test Letters." By Elek J. Ludvigh, Ph.D. (Accepted for publication—*American Journal of Ophthalmology.*)

"The Effect of Reduced Contrast on Visual Acuity as Measured with Snellen Test Letters." By Elek J. Ludvigh, Ph.D. (Accepted for publication—*Archives of Ophthalmology.*)

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"Experimental Production of so-called Bullous Keratitis." By David G. Cogan, M.D. *Archives of Ophthalmology,* 23:918-925, 1940.

"Waltzing Guinea Pigs with Particular Reference to Ocular Movements and Righting Reflexes." By David G. Cogan, M.D. *Archives of Ophthalmology,* 24:78-82, 1940.

"A Self-luminous Placido Disc." By David G. Cogan, M.D. *American Journal of Ophthalmology,* 23 no. 8, 1940.

"Some Ocular Phenomena Produced by Polarized Light." By David G. Cogan, M.D. (Accepted for publication—*Archives of Ophthalmology.*)

"Practical Considerations Pertaining to Corneal Edema." By David G. Cogan, M.D. (Accepted for publication—*Archives of Ophthalmology.*)

"Contribution to the Study of Bullous Keratitis with Particular Reference to the Pathology of Experimental Corneal Vesiculation." By David G. Cogan, M.D. (Accepted for publication—*Archives of Ophthalmology.*)

"The Effect of Alcohol on Vision." By Z. W. Colson, M.D. *Journal of the American Medical Association,* 115:1525-1527, 1940.

## PAPERS AND LECTURES

"Some Aspects of the Visual Mechanism in Amblyopia Ex Anopsia." By Elek J. Ludvigh, Ph.D. Presented at the New England Ophthalmological Society meeting November 12, 1940, at Boston, Massachusetts.

"Demonstration of Waltzing Guinea Pigs." By David G. Cogan, M.D. Alumni meeting, Boston, Massachusetts, November 12, 1940.

"Occlusion Hypertropia." By F. H. Verhoeff, M.D. DeSchweinitz lecture at Philadelphia, Pennsylvania, November 1940.

# Table of Diseases

## COMPILED FROM RECORDS

January 1, 1940 to January 1, 1941

| | *House* | *Out-Patient* |
|---|---|---|
| SECTION I<br>Specific Infectious Diseases—General Diseases | 136 | 5 |
| SECTION II<br>Diseases Due to Animal Parasites | 0 | 0 |
| SECTION III<br>Diseases of Metabolism and Deficiency | 25 | 0 |
| SECTION IV<br>Diseases Peculiar to Infancy | 48 | 4 |
| SECTION V<br>Diseases Due to Physical Agents | 3 | 1 |
| SECTION VI<br>Poisonings, Intoxications | 0 | 0 |
| SECTION VII<br>Tumors, Benign and Malignant | 428 | 79 |
| SECTION VIII<br>Congenital Malformations | 56 | 0 |
| SECTION IX<br>Injuries | 72 | 3 |
| SECTION X<br>Diseases of the Skin | 25 | 3 |
| SECTION XI<br>Diseases of the Circulatory System | 25 | 1 |
| SECTION XII<br>Diseases of the Lymphatic System | 13 | 0 |
| SECTION XIII<br>Diseases of the Blood-Forming Organs | 2 | 0 |
| SECTION XIV<br>Diseases of the Endocrine Glands | 1 | 0 |

| | *House* | *Out-Patient* |
|---|---|---|
| SECTION XV | | |
| Diseases of the Nervous System | 68 | 0 |
| SECTION XVI | | |
| Diseases of the Bones, Joints, Muscles, Tendons and Fascia | 21 | 0 |
| SECTION XVII | | |
| Diseases and Injuries of the Eye and Ear | | |
| Diseases of the Eye | 3062 | 2738 |
| A. General | 457 | 1275 |
| B. Lids | 97 | 64 |
| C. Lacrimal Apparatus | 75 | 25 |
| D. Conjunctiva | 48 | 215 |
| E. Cornea | 237 | 766 |
| F. Anterior Chamber | 31 | 1 |
| G. Sclera | 4 | 5 |
| H. Lens | 933 | 119 |
| J. Uveal Tract | 51 | 6 |
| 1. Iris | 196 | 33 |
| 2. Ciliary Body | 36 | 5 |
| 3. Choroid | 14 | 0 |
| K. Retina | 147 | 15 |
| L. Vitreous | 21 | 2 |
| M. Optic Nerve | 22 | 15 |
| N. Eyeball | 187 | 6 |
| O. Orbit | 42 | 0 |
| P. Disturbance of Motion | 464 | 55 |
| Diseases of the Ear | 496 | 0 |
| Q. General | 3 | 0 |
| R. Auricle | 14 | 0 |
| S. External Auditory Canal | 19 | 22 |
| V. Middle Ear and Mastoid | 454 | 40 |
| W. Internal Ear | 6 | 6 |
| SECTION XVIII | | |
| Diseases of the Nose and Accessory Sinuses | 900 | 35 |
| SECTION XIX | | |
| Diseases of the Mouth, Lips, Cheeks, Pharynx, Tonsils and Palate | 2237 | 28 |
| SECTION XX | | |
| Diseases of Jaw, Teeth and Gums | 17 | 0 |

| | *House* | *Out-Patient* |
|---|---|---|
| SECTION XXI | | |
| Diseases of the Tongue | 3 | 1 |
| SECTION XXII | | |
| Diseases of the Esophagus | 102 | 2 |
| SECTION XXIII | | |
| Diseases of Stomach | 0 | 0 |
| SECTION XXVII | | |
| Diseases of the Abdomen and Peritoneum in General | 4 | 0 |
| SECTION XXIX | | |
| Diseases of the Larynx | 42 | 0 |
| SECTION XXX | | |
| Diseases of the Trachea and Bronchi | 32 | 0 |
| SECTION XXXI | | |
| Diseases of the Lungs | 7 | 0 |
| SECTION XXXII | | |
| Diseases of the Pleura and Mediastinum | 3 | 0 |
| SECTION XXXIII | | |
| Diseases of the Kidney and Ureter | 2 | 0 |
| SECTION XL | | |
| Anaphylaxis | 13 | 0 |
| SECTION XLII | | |
| Ill-Defined or Unclassified Diseases | 100 | 74 |
| Totals | 7959 | 2920 |

# Graduate House Officers

Albaugh, Clarence H., *Ophthalmic,* 1940.
635 West 165th Street, New York, New York.
Alexander, Seeyman L., *Aural,* 1919.
170 St. George Street, Toronto, Ontario, Canada.
Allen, John H., *Aural,* 1904. 32 Deering Street, Portland, Maine.
Allman, Charles H., *Oto-Laryngological,* 1930.
520 Commonwealth Ave., Boston, Mass.
Amadon, A. M., *Aural,* 1897-98. (Deceased.)
Amberg, Emil, *Aural,* 1897.
1244 West Boston Boulevard, Detroit, Michigan.
Anthony, Alan R., *Ophthalmic,* 1936.
1738 Angus Drive, Vancouver, British Columbia.
Anthony, Marc, *Ophthalmic,* 1929.
Westminster Apts., Spokane, Washington.
Aylesworth, Frederick A., *Ophthalmic,* 1916.
Suite 1001, Medical Arts Building, Toronto, Ontario, Canada.
Bair, Hugo L., *Ophthalmic,* 1932. Mayo Clinic, Rochester, Minnesota.
Barss, Richard, *Ophthalmic* 1877.
Bassen Edward J., *Ophthalmic,* 1928.
654 Madison Ave., New York City, N. Y.
Baur, Frederick E., *Aural,* 1902. 43 Grande Ave., Milwaukee, Wisconsin.
Beetham, William P., *Ophthalmic,* 1929.
108 Bay State Road, Boston, Mass.
Berry, Gordon, *Aural,* 1910. 36 Pleasant Street, Worcester, Mass.
Bigelow, F. Nolton, *Aural,* 1910. (Deceased.)
Birdsall, Clarence H., *Aural,* 1916; Ophthalmic, 1918.
26 Summer Street, Haverhill, Mass.
Blaisdell, Irl H., *Oto-Laryngological,* 1939.
Medical Arts Building, Syracuse, New York
Bogan, Frederick L., *Aural,* 1908.
464 Commonwealth Avenue, Boston, Mass.
Boies, Lawrence R., *Oto-Laryngological,* 1931.
1937 Medical Arts Building, Minneapolis, Minnesota.
Bradford, Henry W., *Ophthalmic,* 1877. (Deceased.)
Brawner, Leon E., *Oto-Laryngological,* 1925.
384 Peachtree Street, 701 Medical Arts Building, Atlanta, Georgia.
Bridgewood, David, *Ophthalmic,* 1926. (Deceased.)
Briggs, Wallace R., *Ophthalmic,* 1920.
229 M Street, Sacramento, California.
Brown, Lester A., Jr., *Oto-Laryngological,* 1937.
478 Peachtree Street, Suite 815, Atlanta, Georgia.
Burke, J. Robert, *Ophthalmic,* 1918. *Aural,* 1919.
207 Elm Street, Holyoke, Mass.
Cahill, Harry P., *Aural,* 1914. (Deceased.)
Cameron, Walter C., *Ophthalmic,* 1930.
1103 Rhodes Building, Tacoma, Washington.
Canfield, R. Bishop, *Aural,* 1901. (Deceased.)

Capeles, Thomas F., *Ophthalmic, Aural,* 1915-1916.
191 Merrimac Street, Haverhill, Mass.
Carleton, Ralph, *Ophthalmic,* 1896. (Deceased.)
Caron, Armand L., *Oto-Laryngological,* 1927.
36 Pleasant Street, Worcester, Mass.
Carroll, Frank D., *Ophthalmic,* 1935.
Eye Institute, 635 W. 165th Street, New York, N. Y.
Carroll, Henry G., *Ophthalmic,* 1911.
270 Commonwealth Ave., Boston, Mass.
Carter, Leland F., *Ophthalmic,* 1926.
4061 Pasadena Ave., Detroit, Michigan.
Case, Paul H., *Ophthalmic,* 1938.
822 Professional Building, Phoenix, Arizona.
Casten, Virgil G., *Ophthalmic,* 1931.
520 Commonwealth Ave., Boston, Mass.
Cavanaugh, Thomas, *Ophthalmic,* 1940.
395 Commonwealth Ave., Boston, Mass.
Cave, Linus S., *Oto-Laryngological,* 1927.
Physicians' Building, Syracuse, N. Y.
Chamberlain, Allen H., *Ophthalmic,* 1889. (Deceased.)
Chandler, H. Beckles, *Ophthalmic,* 1880. (Deceased.)
Chandler, H. Beckles, Jr., *Ophthalmic,* 1912.
34½ Beacon Street, Boston, Mass.
Chandler, Paul A., *Ophthalmic,* 1925. 5 Bay State Road, Boston, Mass.
Cheney, Frederick E., *Ophthalmic,* 1888. (Deceased.)
Cheney, Robert C., *Ophthalmic,* 1921. (Deceased.)
Clap, Edmund W., *Ophthalmic,* 1899.
390 Commonwealth Ave., Boston, Mass.
Clarke, Jonas, *Ophthalmic,* 1877.
Clarke, Samuel T., *Ophthalmic,* 1939.
403 Commonwealth Avenue, Boston, Mass.
Clough, Joseph M., *Oto-Laryngological,* 1939.
Cogan, David G., *Ophthalmic,* 1935. 243 Charles Street, Boston, Mass.
Converse, John M., *Oto-Laryngological,* 1938.
121 East 60th Street, New York City, New York.
Cooper, Kemp G., *Oto-Laryngological,* 1930.
1516 Cook Street, Denver, Colorado.
Cordray, David P., *Oto-Laryngological,* 1940.
270 Commonwealth Avenue, Boston, Mass.
Coughlan, John N., *Aural,* 1900. (Deceased.)
Coyle, John A., *Ophthalmic,* 1931. Wilder, Vermont.
Crewson, Arthur L., *Oto-Laryngological,* 1927.
120 Sydney Street, Cornwall, Ontario, Canada.
Crockett, Eugene A., *Aural,* 1892. (Deceased.)
Davidson, Herman P., *Ophthalmic,* 1920.
Suite 1424, 30 North Michigan Ave., Chicago, Illinois.
Davis, Frederick A., *Ophthalmic,* 1892. (Deceased.)
Day, Charles Orrin, *Aural, Laryngological,* 1922. (Deceased.)
Day, Kenneth, *Oto-Laryngological,* 1924.
121 University Place, Pittsburgh, Pennsylvania.
Dean, Abbott W., *Ophthalmic,* 1929.
424 Oakland Ave., Council Bluffs, Iowa.

Donahue, Hugh C., *Ophthalmic,* 1931.
520 Commonwealth Ave., Boston, Mass.
Dowling, Joseph L., *Ophthalmic,* 1918.
57 Jackson Street, Providence, Rhode Island.
Drooker, Joshua C., *Oto-Laryngological,* 1939.
20 Charlesgate West, Boston, Mass.
Drury, Dana W., *Aural,* 1906. 483 Beacon Street, Boston, Mass.
Dunphy, Edwin B., *Ophthalmic,* 1923. 243 Charles Street, Boston, Mass.
Easton, Elwood T., *Ophthalmic,* 1900. 209 Newbury Street, Boston, Mass.
Easton, Mahlon T., *Ophthalmic,* 1936. 209 Newbury Street, Boston, Mass.
Ellis, Edward K., *Ophthalmic,* 1905. 412 Beacon Street, Boston, Mass.
Ernlund, Carl H., *Oto-Larnygological,* 1927.
5 Bay State Road, Boston, Mass.
Evans, Maurice G., *Oto-Laryngological,* 1928.
416 Marlborough Street, Boston, Mass.
Evans, William H., *Ophthalmic,* 1924.
510-517 Dollar Bank Building, Youngstown, Ohio.
Farrell, James I., *Ophthalmic,* 1932. Kempf Building, Utica, New York.
Faunce, Calvin B., *Aural,* 1907. 412 Beacon Street, Boston, Mass.
Filmer, George A., *Ophthalmic,* 1939.
530 Metropolitan Building, Denver, Colorado.
Finck, Harry P., *Ophthalmic,* 1919; *Aural,* 1920. (Deceased.)
Fisher, Carl, *Ophthalmic,* 1907.
1930 Wilshire Boulevard, Los Angeles, California.
Fisher, Stanwood E., *Aural,* 1909. 122 State Street, Portland, Maine.
Foote, Charles M., *Ophthalmic,* 1940.
412 North Hastings Ave., Hastings, Nebraska.
Frackelton, Ralph J., *Oto-Laryngological,* 1933.
15701 Detroit Ave., Lakewood, Ohio.
Franklin, C. Ray, *Ophthalmic,* 1931.
168th Street and Broadway, New York City, New York.
Frazee, John R., *Oto-Laryngological,* 1934.
311 Beacon Street, Boston, Mass.
Fred, Gus Bernard, *Oto-Laryngological,* 1925.
475 Commonwealth Ave., Boston, Mass.
Frisch, Frederick, *Ophthalmic,* 1908. (Deceased.)
Fultz, William E., *Ophthalmic,* 1927.
45 Kaye Street, Halifax, Nova Scotia.
Gabriels, Joseph A. C., *Ophthalmic,* 1921.
435 State Street, Albany, New York.
Gallagher, John H. C., *Aural,* 1920. (Deceased.)
Gaudreau, Honoré E., *Ophthalmic,* 1930.
293 Bridge Street, Springfield, Mass.
Gaus, Louis, *Ophthalmic,* 1921. Ticonderoga, New York.
Germain, Harry H., *Ophthalmic,* 1899.
475 Commonwealth Ave., Boston, Mass.
Gibson, Arthur C., *Aural,* 1921.
516 Sutter Street, San Francisco, California.
Gifford, Harold, Jr., *Ophthalmic,* 1934.
1620 Medical Arts Building, Omaha, Nebraska.
Gilbert, John J., *Ophthalmic,* 1917. *Aural,* 1920.
221 Thayer Street, Providence, Rhode Island.

Gillespie, Elmer H., *Oto-Laryngological,* 1932.
101 Bay State Road, Boston, Mass.
Goldman, A. Milton, *Ophthalmic,* 1924.
121 E. 60th Street, New York City, N. Y.
Goodale, Robert L., *Oto-Laryngological,* 1926.
330 Dartmouth Street, Boston, Mass.
Goodall, Edwin B., *Ophthalmic,* 1918. 101 Bay State Road, Boston, Mass.
Goodell, William, *Aural,* 1906. 121 Chestnut Street, Springfield, Mass.
Goray J. P., *Ophthalmic,* 1897. Day Street, Fitchburg, Mass.
Gray, Gerald H., *Oto-Laryngological,* 1929.
420 Mountain Ave., Piedmont, California.
Grossman, Herman P., *Ophthalmic,* 1934.
210 Angell Street, Providence, Rhode Island.
Gundersen Trygve, *Ophthalmic,* 1930. 5 Bay State Road, Boston, Mass.
Hacking, Raymond F., *Ophthalmic,* 1927.
105 Waterman Street, Providence, Rhode Island.
Halliday, Armond A., *Ophthalmic,* 1918; *Aural,* 1919. (Deceased.)
Hammond, Philip, *Aural,* 1894. (Deceased.)
Happ, Linley C., *Oto-Laryngological,* 1931.
124 Waterman Street, Providence, Rhode Island
Haskell, Henry H., *Ophthalmic,* 1893. 5 Vista Ave., Auburndale, Mass.
Hawkins, Henry, *Ophthalmic,* 1909.
394 Marlborough Street Boston, Mass.
Heffernan, David A., *Ophthalmic,* 1904.
270 Commonwealth Ave., Boston, Mass.
Heine, Lyman H., *Oto-Laryngological,* 1937. Freemont, Nebraska.
Hennessey, William W., *Aural,* 1908. 33 Essex Street, Salem, Mass.
Hill, Frederick T., *Aural,* 1916. 111 Main Street, Waterville, Maine.
Hobart, Carl, *Ophthalmic,* 1922.
518 Metropolitan Building, St. Louis, Missouri
Hollabaugh, Charles F., *Ophthalmic,* 1932.
Doctors' Building, Nashville, Tennessee.
Holmes, Edgar M., *Oto-Laryngological,* 1934.
520 Commonwealth Ave., Boston, Mass.
Hoople, Gordon D., *Oto-Laryngological,* 1926.
The Medical Arts Building, Syracuse, New York.
Houston, G. Gilbert, *Oto-Laryngological,* 1938.
10 West Street, Charlottetown, P. E. I., Canada.
Hubbard, Rufus P., *Ophthalmic,* 1879.
Hurley, Edward D., *Ophthalmic,* 1907. (Deceased.)
Hussey, Edward J., *Ophthalmic,* 1906. (Deceased.)
Ireland, Percy E., *Oto-Laryngological,* 1935.
170 St. George Street, Toronto, Ontario, Canada.
Irgens, Edwin R., *Oto-Laryngological,* 1936. Waterville, Maine.
Irvine, S. Rodman, *Ophthalmic,* 1935.
700 Roosevelt Building, Los Angeles, California.
Jack, Edwin E., *Ophthalmic,* 1888. (Retired.)
99 Sargent Road, Brookline, Mass.
Jackle, Arthur F., *Ophthalmic,* 1913. (Deceased.)
Jennings, John G., *Ophthalmic,* 1917.
82 Commonwealth Ave., Boston, Mass.
Johnson, Charles I., *Oto-Laryngological,* 1929.
403 Commonwealth Ave., Boston, Mass.

Johnson, Lorand V., *Ophthalmic,* 1937.
University Hospitals, Cleveland, Ohio.
Jones, Edward Earl, *Oto-Laryngological,* 1928.
141 W. Elm Street, Brockton, Mass.
Judd, Delbert K., *Oto-Laryngological,* 1934.
1020 Medical Arts Building, Omaha, Nebraska.
Kearny, Richard A., *Aural,* 1921.
2311 Connecticut Ave., Washington, D. C.
Kendall, M. Ray, *Aural,* 1917. (Deceased.)
Kennedy, Michael Francis, *Ophthalmic,* 1927.
1835 I Street N. W., Washington, D. C.
Kerst, J. Arthur, *Ophthalmic,* 1934.
Leland Office Building, East Capitol Avenue, Springfield, Illinois.
Kilburn, Henry W., *Aural,* 1885. (Deceased.)
King, Merrill J., *Ophthalmic,* 1932.
82 Commonwealth Ave., Boston, Mass.
Langworthy, Henry G., *Aural,* 1907.
10th and Bluff Streets Dubuque, Iowa.
Leahey, Brendan D., *Ophthalmic,* 1933. 9 Central Street, Lowell, Mass.
LeCompte, Walter A., *Aural,* 1901. (Deceased.)
Lemoine Albert E., *Ophthalmic,* 1923.
1119 Rialto Building, Kansas City, Missouri.
Lentine, Joseph, *Oto-Laryngological,* 1936.
395 Commonwealth Ave., Boston, Mass.
Levitt, Jesse M., *Ophthalmic,* 1933. 734 Ocean Ave., Brooklyn, New York.
Liebman, William, *Ophthalmic,* 1911.
311 Commonwealth Ave., Boston, Mass
Lodge, Edmund A., *Oto-Laryngological,* 1924.
Mountain Home, Tennessee
Loring, Robert G., *Ophthalmic,* 1900. 140 Beacon Street, Boston, Mass.
Lothrop, Oliver A., *Aural,* 1911. 101 Beacon Street, Boston, Mass.
Lougee, John L., *Aural,* 1909. 475 Beacon Street, Boston, Mass.
Lovesey, Burton E., *Oto-Laryngological,* 1935.
76 Bay State Road, Boston, Mass.
Lowell W. Holbrook, *Ophthalmic,* 1902.
82 Commonwealth Ave., Boston, Mass.
Lynch, Mercer G., *Oto-Laryngological,* 1936.
1567 Exposition Boulevard, New Orleans, Louisiana
MacDonald, Alexander E., *Ophthalmic,* 1923.
151 Bloor Street, West, Toronto, Ontario, Canada.
Macdonald, Donald H., *Oto-Laryngological,* 1930.
425 Beacon Street, Boston, Mass.
MacKechnie, William G., *Aural,* 1918.
Port of Spain, Trinidad, British West Indies
Mackenzie, Roland C., *Ophthalmic,* 1911.
51 Moody Street, Waltham, Mass
MacMillan, A. L., Jr., *Aural,* 1912.
46 Pleasant Street, Concord, New Hampshire
Macnie, John P., *Ophthalmic,* 1929.
635 W. 165th Street, New York City, New York
Mansur, Leon Wallace, *Ophthalmic,* 1898. Retired.
Valley Center, California
Martin, S. Forrest, *Ophthalmic,* 1938. 101 Bay State Road, Boston, Mass

McAuley, Albert G., *Ophthalmic,* 1915.
1301 Dorchester Street, West, Montreal, Quebec, Canada
McCabe, Frank J., *Ophthalmic,* 1916.
204 Angell Street, Providence, Rhode Island
McClintock, Walter L., *Oto-Laryngological,* 1938.
1245 Hancock Street, Quincy, Mass.
McCusker, John J., *Ophthalmic,* 1897.
382 Broad Street, Providence, Rhode Island.
McDonald, Samuel J., *Ophthalmic,* 1902.
308 Commonwealth Ave., Boston, Mass
McGuigan, G. Edmund, *Ophthalmic,* 1924.
116 West Market Street, York, Pennsylvania.
McIntire, Frederic J., *Ophthalmic,* 1910.
63 North Common Street, Lynn, Mass.
McKelvey, Alexander D., *Aural,* 1911. (Deceased.)
McLaughlin, William C., *Aural,* 1908. (Deceased.)
McLeod, Angus M., *Oto-Laryngological,* 1932.
Medical Arts Building, Toronto, Ontario, Canada
McLeod, John, *Ophthalmic,* 1930.
900 Argyle Building, Kansas City, Missouri
Meek, Raymond E., *Ophthalmic,* 1926.
729 Park Avenue, New York City, New York.
Meltzer, Philip E., *Aural,* 1919. 20 Charlesgate West, Boston, Mass.
Merritt, Robert E., *Ophthalmic,* 1920. Retired. Valley Center, California.
Mertins, Paul S., *Oto-Laryngological,* 1936.
17 Galen Street, Montgomery, Alabama.
Messenger, Harry K., *Ophthalmic,* 1934.
313 Commonwealth Avenue, Boston, Mass.
Meyer, Monto F., *Ophthalmic,* 1919.
904 Canal Bank Building, New Orleans, Louisiana.
Miles, Nathan E., *Ophthalmic,* 1937.
Molton Hotel, Birmingham, Alabama.
Moore, Donald E., *Ophthalmic,* 1937.
403 Medical Arts Building, Syracuse, New York.
Moore, Fontaine B., *Aural,* 1914.
Moore, James A., *Oto-Laryngological,* 1940.
66 South Fullerton Avenue, Montclair, New Jersey.
Morse, Almon G., *Ophthalmic,* 1893. Sunmount, New York.
Moorman, John D., *Ophthalmic,* 1939.
Times Building, Huntsville, Alabama.
Motley, Frederic E., *Oto-Laryngological,* 1925.
Charlotte Eye, Ear, Nose & Throat Hospital, Charlotte, North Carolina.
Mueller, Werner, *Oto-Laryngological,* 1933.
412 Beacon Street, Boston, Mass.
Murphy, Edward M., *Ophthalmic,* 1915. 175 Central Street, Lowell, Mass.
Murphy, William E., *Oto-Laryngological,* 1933.
Slater Building, Worcester, Mass.
Myers, Roscoe W., *Ophthalmic,* 1927.
36 Pleasant Street, Worcester, Mass.
Myers, Stanley A., *Oto-Laryngological,* 1937.
810 Dollar Bank Building, Youngstown, Ohio.
Nicholson, Harry M., *Aural,* 1913.
101 James Street South, Hamilton, Ontario, Canada

O'Connor, Michael J., *Aural and Laryngological,* 1923.
105 Waterman Street, Providence, Rhode Island.
Olds, Bomar A., *Oto-Laryngological,* 1929.
Suite No. 307, Medical Arts Building, Atlanta, Georgia.
O'Neil, Robert C., *Oto-Laryngological,* 1928. (Deceased.)
Parker, Harry C., *Ophthalmic,* 1902.
Pollock, Frederic J., *Oto-Laryngological,* 1935.
Suite 403 Curtis Building, 622 Diversay Parkway, Chicago, Illinois.
Porter, Charles T., *Ophthalmic,* 1914; *Aural,* 1915.
520 Commonwealth Avenue, Boston, Mass.
Powers, George H., *Aural,* 1904. 311 Beacon Street, Boston, Mass.
Price, F. Raymond, *Ophthalmic,* 1936.
1 Bee Street, Charleston, South Carolina.
Proctor, Francis I., *Ophthalmic,* 1891. (Deceased.)
Provost, Adolphe J., *Oto-Laryngological,* 1927.
36 Lowell Street, Manchester, New Hampshire.
Prudhon, Charles A., *Oto-Laryngological,* 1930.
168 Sterling Street, Watertown, New York.
Quackenboss, Alexander, *Ophthalmic,* 1893. (Deceased.)
Quevedo, A. Arturo, *Ophthalmic,* 1933.
9a Ave. Sur No. 50, Guatemala City, Gautemala, Central America.
Quincy, Josiah E., *Oto-Laryngological,* 1926.
270 Commonwealth Ave., Boston, Mass.
Raynes, Alphonse F., *Ophthalmic,* 1923.
16 Market Square, Portsmouth, New Hampshire.
Reaves, Robert G., *Aural,* 1918.
425 W. Clinch Ave., Knoxville, Tennessee.
Richards, Lyman G., *Oto-Laryngological,* 1926.
319 Longwood Avenue, Boston, Mass.
Richardson, John R., *Oto-Laryngological,* 1935.
395 Commonwealth Ave., Boston, Mass.
Ross, Percy Jay, *Oto-Laryngological,* 1934.
1045 Michigan Ave., Chicago, Illinois.
Rothwell, Stephen G., *Oto-Laryngological,* 1925.
100 Eighth Street, New Bedford, Mass
Ruggles, Ralph H., *Ophthalmic,* 1920.
394 Marlborough Street, Boston, Mass.
Ruggles, Roger L., *Oto-Laryngological,* 1932.
80 Elm Street, Westfield, Mass.
Rust, Frank L., *Ophthalmic,* 1898. (Deceased.)
Ryder, George H., *Ophthalmic,* 1901.
968 Hancock Street, Quincy, Mass.
Sachs, Benjamin, *Ophthalmic,* 1925. 520 Beacon Street, Boston, Mass.
Sargent, Francis B., *Aural* and *Laryngological,* 1923.
124 Waterman Street, Providence, Rhode Island.
Savage, Ross E., *Ophthalmic,* 1910. 543 Boylston Street, Boston, Mass.
Scarney, Herman D., *Ophthalmic,* 1928.
573 Fisher Building, Detroit, Michigan.
Schnebly, J. Thomas, *Ophthalmic,* 1938.
508 Farragut Medical Building, Washington, D. C.
Seale, Earl S., *Ophthalmic,* 1940. 108 Bay State Road, Boston, Mass.
Shambaugh, George E., Jr., *Oto-Laryngological,* 1932.
122 S. Michigan Boulevard, Chicago, Illinois.

Shanahan, Timothy J., *Aural,* 1907. (Deceased.)
Simmons, Fred A., *Aural,* 1918. (Deceased.)
Sisson, Raymond J., *Ophthalmic,* 1925. (Deceased.)
Skilling, Francis C., *Ophthalmic,* 1933
401 Ingram Building, Miami, Florida.
Slaughter, Earl C., *Oto-Laryngological,* 1940.
418 Calumet Bank Building, Hammond, Indiana.
Smith, Harold D., *Oto-Laryngological,* 1937.
342 Investment Building, Pomona, California.
Smyth, D. Campbell, *Aural,* 1910. (Deceased.)
Smyth, P. Somers, *Ophthalmic,* 1905. (Deceased.)
Snow, Robert G., *Oto-Laryngological,* 1940.
403 Commonwealth Avenue, Boston, Mass.
Sowers, Martin L., *Aural* and *Laryngological,* 1922.
Crossways Apts., Far Rockaway, New York.
Spalding, Fred M., *Ophthalmic,* 1900.
128 Newbury Street, Boston, Mass.
Spratt, Charles N., *Ophthalmic,* 1904.
785 9th Street, Minneapolis, Minn.
Standish, Myles, *Ophthalmic,* 1880. (Deceased.)
Stephens, H. Frederick, *Ophthalmic,* 1939.
195 Thayer Street, Providence, Rhode Island.
Sullivan, Garrett L., *Ophthalmic,* 1938. 5 Bay State Road, Boston, Mass.
Tegelberg, Julius, *Oto-Laryngological,* 1931.
390 Main Street, Worcester, Mass.
Terry, Theodore L., *Ophthalmic,* 1928. 128 Newbury Street, Boston, Mass.
Thompson, Peter Hunter, *Ophthalmic,* 1902.
308 Commonwealth Ave., Boston, Mass.
Tobey, George L., Jr., *Aural,* 1905.
403 Commonwealth Ave., Boston, Mass.
Tobey Harold G., *Aural,* 1915. 403 Commonwealth Ave., Boston, Mass.
Toot, J. Frederick, *Ophthalmic,* 1922. East Liverpool, Ohio.
Vail, Derrick T., *Ophthalmic,* 1924. 819 Carew Tower, Cincinnati, Ohio.
Vail, Harris H., *Aural,* 1921. (Deceased.)
Viger, Roland J., *Ophthalmic,* 1937.
1414 Drummond Street, Montreal, Quebec, Canada.
Waite, J. Herbert, *Ophthalmic,* 1923. 7 Bay State Road, Boston, Mass.
Wales, Ernest DeW., *Aural,* 1902.
1236 N. Pennsylvania Street, Indianapolis, Indiana.
Walker, Charles E., Jr., *Ophthalmic,* 1935.
1114 Republic Bldg., Denver, Colorado.
Walker, Clifford B., *Aural,* 1914.
Auditorium Building, Los Angeles, California.
Walker, D. Harold, *Aural,* 1902. 5 Bay State Road, Boston, Mass.
Wattles, F. Merrill, *Oto-Laryngological,* 1938.
312 Greenleaf Building, Jacksonville, Florida.
Webster, Franklin R., *Ophthalmic,* 1926.
University Building, Syracuse, New York.
Weille, Francis L., *Oto-Laryngological,* 1929.
395 Commonwealth Ave., Boston, Mass.
Weinheimer, Lambert H., *Ophthalmic,* 1922.
109 So. Warren Street, Syracuse, New York.

Wherry, Walter J., *Oto-Laryngological,* 1939.
1500 Medical Arts Building, Omaha, Nebraska
White, Leon E., *Aural,* 1897. (Deceased.)
White, Leon E., *Aural* and *Laryngological,* 1923.
390 Commonwealth Ave., Boston, Mass
Whitney, Raymond C., *Ophthalmic,* 1922.
, 227 Union Street, New Bedford, Mass
Willis, Harry C., *Aural* and *Laryngological,* 1923.
216 E. Nash Street, Wilson, North Carolina.
Winkler, Herman A., *Oto-Laryngological,* 1926.
224 Thayer Street, Providence, Rhode Island.
Wishart, David E. S.,*Aural* and *Laryngological,* 1922.
47 Grosvenor Street, Toronto, Ontario, Canada.
Woodruff, Harry W., *Ophthalmic,* 1936. (Deceased.)
Worthen, Clarence F., *Ophthalmic,* 1917.
319 Commonwealth Ave., Boston, Mass.
Wright, Clarence F., *Oto-Laryngological,* 1931.
86 Bloor Street, West, Toronto, Ontario, Canada.
Wright, Edward N., *Oto-Laryngological,* 1933.
The Medical Arts Building, Toronto, Ontario, Canada.

## Form of a Bequest to the Infirmary

*I give and bequeath to the Massachusetts Eye and Ear Infirmary of Boston, the sum of*
*dollars, to be applied to the uses of said Infirmary.*

E. H. Nelson

ONE HUNDRED AND SIXTEENTH

# ANNUAL REPORT

OF THE

# *Massachusetts Eye and Ear Infirmary*

INCORPORATED IN 1827

FOR THE YEAR

1941

OFFICERS AND STAFF

1942

BOSTON · MASSACHUSETTS

# THE MASSACHUSETTS EYE AND EAR INFIRMARY

243 Charles Street, Corner Fruit Street, Boston, Mass.

The Massachusetts Eye and Ear Infirmary is a charitable Institution supported solely by receipts from patients and voluntary contributions. Only those unable to pay Doctors' fees will be admitted to the Wards or Out-Patient Department.

## OUT-PATIENT DEPARTMENT

The Out-Patient Department is open daily excepting Sundays and legal holidays, from 8 to 10 A.M. for examination and treatment of all persons afflicted with disease of the eye, ear, nose or throat, who are unable to pay a physician. Patients should, whenever possible, bring a letter from their physician recommending admission. In emergencies or unusual situations, the patient may be admitted, the doctor notified and information requested from him as to the medical and social aspects of the case. A patient may also be admitted by giving satisfactory evidence that he is not and has not been under treatment by a physician, and that he cannot afford to pay for examination and treatment by a private physician.

Admission fee: Adults, seventy-five cents first visit, other visits sixty cents; children under sixteen years of age fifty cents first visit, other visits thirty cents.

## HOSPITAL WARD SERVICE

Patients should whenever possible, bring a letter from their doctor recommending admission. If their medical condition after examination by the house officer on duty is found to be suitable, they will be admitted. Persons recommended for admission should come to the Admitting Office, 243 Charles Street, between 9 A.M. and 1 P.M. on week days, excepting legal holidays.

Accident and emergency cases admitted at any time.

Patients admitted to the wards as in-patients will be charged for board at the rate of twenty-eight dollars per week, payable in advance, unless some special arrangement is made by the Director. No reduction in rate of board made to those residing outside the Commonwealth of Massachusetts.

## PRIVATE PATIENTS

The Infirmary also provides facilities for the care of private patients of members of the hospital staff. The rates for single rooms range from $7.50 to $9 a day and accommodations in rooms with five or six beds are $4.50 a day. Patients are expected to arrange with their physician regarding professional fees.

Massachusetts Eye and Ear Infirmary

ONE HUNDRED AND SIXTEENTH

# ANNUAL REPORT

OF THE

# *Massachusetts Eye and Ear Infirmary*

INCORPORATED IN 1827

FOR THE YEAR
1941

OFFICERS AND STAFF
1942

BOSTON · MASSACHUSETTS

# Officers, 1942

## BOARD OF MANAGERS, 1941-1942

| | |
|---|---|
| 1893-95<br>1907- | Charles P. Curtis, 71 Ames Building |
| 1903 | Russell G. Fessenden, 1 Federal Street |
| **1914 | James Dean, 201 Devonshire Street |
| 1914 | James C. Howe, 1005 Exchange Building |
| 1925 | Leverett Saltonstall, 82 Devonshire Street |
| 1929 | Walter H. Trumbull, Weston, Mass. |
| *1934 | Patrick A. O'Connell, 154 Tremont Street |
| 1934 | Frank G. Allen, 248 Summer Street |
| 1934 | Robert F. Bradford, 49 Federal Street |
| 1935 | William A. Parker, 1 Court Street |
| 1937 | Henry Hixon Meyer, 820 Exchange Building |
| *1939 | Dr. George L. Tobey, Jr., 403 Commonwealth Avenue |
| 1940 | Mrs. Richard Cary Curtis, 215 Warren Street, Brookline, Mass. |
| 1940 | Horace W. Frost, 74 State Street |

*President*

Russell G. Fessenden

*Secretary*

James C. Howe

*Treasurer*

Horace W. Frost

*Executive Committee*

Russell G. Fessenden
Robert F. Bradford
Henry H. Meyer
James C. Howe

*Finance Committee*

Russell G. Fessenden
William A. Parker
Horace W. Frost

*Advisory Committee*

Social Service Department

Charles T. Porter, M.D.
Paul A. Chandler, M.D.
Horace W. Frost
William A. Parker
Mrs. Noel Morss
Mrs. Leslie Soule

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*Appointed by the Commonwealth
**Died March 1, 1942.

## VISITING COMMITTEE

| | | | |
|---|---|---|---|
| January | Mrs. R. C. Curtis<br>Mr. Allen | July | Mr. Trumbull<br>Mr. Fessenden |
| February | Mr. Allen<br>Mr. Meyer | August | Mr. Fessenden<br>Mr. Howe |
| March | Mr. Meyer<br>Mr. Frost | September | Mr. Howe<br>Mr. Bradford |
| April | Mr. Frost<br>Mr. C. P. Curtis | October | Mr. Bradford |
| May | Mr. C. P. Curtis<br>Mr. Saltonstall | November | Mr. Parker |
| June | Mr. Saltonstall<br>Mr. Trumbull | December | Mr. Parker<br>Mrs. R. C. Curtis |

## LADIES' VISITING COMMITTEE

Mrs. Sullivan A. Sargent, Jr., *Chairman*
Mrs. Harold Peabody, *Vice-Chairman*
Mrs. Franklin A. Reece, *Secretary*
Mrs. Richard Cary Curtis, *Treasurer*

Mrs. Arlie V. Bock
Mrs. John E. Boit
Mrs. John Bryant
Mrs. Harry P. Cahill
Mrs. Nathaniel D. Clapp
Mrs. Livingston Davis
Mrs. Weld Douglass
Mrs. Edwin B. Dunphy
Mrs. Reginald Foster
Mrs. Trygve Gundersen
Mrs. George F. Hall
Mrs. Harold L. Higgins
Mrs. Francis T. Hunter
Mrs. Varaztad H. Kazanjian
Mrs. Charles E. Mason
Mrs. William W. McCarthy
Mrs. Harris P. Mosher
Mrs. Noel Morss
Mrs. Eugene Record
Mrs. John R. Richardson
Mrs. Arthur L. Richmond
Mrs. Edward J. L. Ropes
Mrs. LeRoy A. Schall
Mrs. Herbert B. Shaw
Mrs. Reginald Smithwick
Mrs. William B. Snow, Jr.
Miss Ann Soule
Mrs. Leslie Soule
Mrs. Channing Swan
Mrs. Thomas C. Thacher, Jr.
Mrs. Charles E. Thayer
Mrs. John E. Thayer, Jr.
Mrs. John I. Wylde

## EXECUTIVE OFFICERS

*Director*
Nathaniel W. Faxon, M.D.

*Assistant to the Director*
Annie M. Robertson, R.N.

*Executive Assistants*
Helen McCaskill, R.N.
Ruth M. Hutchinson, R.N.
Henrietta Olsen, R.N.

*Superintendent of Nurses*
Sally Johnson, R.N.

*Assistant Superintendent of Nurses*
Dorothy M. Tarbox, R.N.

*Social Service Director*
Eunice W. Wilson

*Dietitian*
Isabel F. Cook

*Housekeeper*
Kitrena Akins

*Occupational Therapy Director*
Helen K. Wade, O.T.R.

## STAFF

## DEPARTMENT OF OPHTHALMOLOGY

*Consulting Surgeons in Ophthalmology*
Edwin E. Jack, M.D.
Henry H. Haskell, M.D.
Walter B. Lancaster, M.D.
Fred M. Spalding, M.D.
Peter H. Thompson, M.D.
Samuel J. McDonald, M.D.
Allen Greenwood, M.D.
W. Holbrook Lowell, M.D.
Hugo B. C. Riemer, M.D.
Edward K. Ellis, M.D.
J. Herbert Waite, M.D.
Edmund W. Clap, M.D.
Elwood T. Easton, M.D.
Henry Hawkins, M.D.
Samuel H. Wilkins, M.D.

*Consulting Chief of Ophthalmology*
Frederick H. Verhoeff, M.D.

*Chief of Ophthalmology*
Edwin B. Dunphy, M.D.

*Surgeons in Ophthalmology*

Edwin B. Dunphy, M.D.
Edwin B. Goodall, M.D.
Benjamin Sachs, M.D.
Paul Chandler, M.D.
Theodore L. Terry, M.D.
William P. Beetham, M.D.
Virgil G. Casten, M.D.

*Associate Surgeons in Ophthalmology*

John G. Jennings, M.D.
Ralph H. Ruggles, M.D.
Fred S. Thorne, M.D.
Trygve Gundersen, M.D.

*Assistant Surgeons in Ophthalmology*

David G. Cogan, M.D.
Edward E. Covitz, M.D.
Hugh C. Donahue, M.D.
Mahlon T. Easton, M.D.
Herman P. Grossman, M.D.
Paul G. Haire, M.D.
Merrill J. King, M.D.
Brendan D. Leahey, M.D.
Harry K. Messenger, PH.D., M.D.
Albert E. Sloane, M.D.

*Senior Clinical Assistants in Ophthalmology*

Gertrude Baldwin, M.D.
Franklyn D. Burger, M.D.
Thomas Cavanaugh, M.D.
Julian F. Chisholm, Jr., M.D.
Samuel T. Clarke, M.D.
S. Forrest Martin, M.D.
Earl S. Seale, M.D.
H. Frederick Stephens, M.D.
Garrett L. Sullivan, M.D.

*Clinical Assistants in Ophthalmology*

Clarence H. Birdsall, M.D.
Thomas F. Capeles, M.D.
Lawrence R. Dame, M.D.
Honoré E. Gaudreau, M.D.
Arthur M. Morrissey, M.D.
Paul M. Runge, M.D.
Raymond C. Whitney, M.D.

## DEPARTMENT OF OTO-LARYNGOLOGY

*Consulting Surgeons in Otology and Laryngology*

Frederick L. Jack, M.D.
Francis P. Emerson, M.D.
Joseph L. Goodale, M.D.
George L. Tobey, Jr., M.D.
D. Harold Walker, M.D.
Calvin B. Faunce, M.D.
Frederick E. Garland, M.D.
Frederick L. Bogan, M.D.
Harris P. Mosher, M.D.
Harry A. Barnes, M.D.
William I. Wiggin, M.D.
Charles D. Knowlton, M.D.

*Chief of Otology and Laryngology*

Leroy A. Schall, M.D.

*Surgeons in Oto-Laryngology*

George H. Poirier, M.D.
Harold G. Tobey, M.D.
Charles T. Porter, M.D.
Philip E. Meltzer, M.D.
Leon E. White, M.D.
Moses H. Lurie, M.D.

*Surgeon for Tumor Clinic*
Edwards W. Herman, M.D.

*Associate Surgeon for Tumor Clinic*
Carl H. Ernlund, M.D.

*Surgeon for Plastic Operations*
Varaztad H. Kazanjian, M.D., D.M.D.

*Associate Surgeons in Oto-Laryngology*
Gustave B. Fred, M.D.
Robert L. Goodale, M.D.
Maurice G. Evans, M.D.
Francis L. Weille, M.D.
Philip Mysel, M.D.
Charles I. Johnson, M.D.

*Assistant Surgeons in Oto-Laryngology*
Charles H. Allman, M.D.
Walter J. E. Carroll, M.D.
John R. Frazee, M.D.
Elmer H. Gillespie, M.D.
Edgar M. Holmes, M.D.
Vincent J. Kelley, M.D.
Burton E. Lovesey, M.D.
Werner Mueller, M.D.
Josiah E. Quincy, M.D.
John R. Richardson, M.D.

*Clinical Assistants in Oto-Laryngology*
John G. Adams, M.D.
Frank W. Brady, M.D.
David P. Cordray, M.D.
Elizabeth DeBlois, M.D.
Joshua C. Drooker, M.D.
Frank Gavolio, M.D.
Kenneth Kazanjian, M.D.
Joseph Lentine, M.D.
Donald H. Macdonald, M.D.
Walter L. McClintock, M.D.
Robert G. Snow, M.D.
Herman J. Sternstein, M.D.

*Bronchoscopist and Esophagoscopist*
Lyman G. Richards, M.D.

*Clinical Assistant for Bronchoscopy and Esophagoscopy*
Edward B. Benedict, M.D.

*Consulting Pathologist*
Tracy B. Mallory, M.D.

*Pathologist*
Theodore L. Terry, M.D.

*Assistant in Pathology*
Gertrude Baldwin, M.D.

*Roentgenologist*
A. S. Macmillan, M.D.

*Anesthetist*
Henry K. Beecher, M.D.

## HOWE LABORATORY OF OPHTHALMOLOGY

*Acting Director*

David G. Cogan, M.D.

Merrill J. King, M.D.
Trygve Gundersen, M.D.
*Elek J. Ludvigh, PH.D.
V. Everett Kinsey, PH.D.
Morton Grant, M.D.
*Lt. S. Forrest Martin (MC), USNR

## CONSULTANTS

*Consulting Physicians*

James H. Means, M.D.
Arlie V. Bock, M.D.
William B. Breed, M.D.
Chester M. Jones, M.D.
Francis M. Rackemann, M.D.
Paul D. White, M.D.
Walter Bauer, M.D.
F. Dennette Adams, M.D.
Fuller Albright, M.D.
Wyman Richardson, M.D.
Francis R. Dieuaide, M.D.
Joseph C. Aub, M.D.
Roger P. Dawson, M.D.
Dwight L. Siscoe, M.D.
Francis T. Hunter, M.D.
Donald S. King, M.D.
James H. Townsend, M.D.
Howard B. Sprague, M.D.
William A. Bishop, M.D.
Maurice Fremont-Smith, M.D.
Myles P. Baker, M.D.
Margaret V. Grogan, M.D.
B. Thurber Guild, M.D.
Howard B. Jackson, M.D.
Roy R. Wheeler, M.D.
Bernard M. Jacobson, M.D.
Richard B. King, M.D.
Robert S. Palmer, M.D.
John T. Talbott, M.D.
Thomas V. Urmy, M.D.
Allen G. Brailey, M.D.
Walter S. Burrage, M.D.
John H. Fay, M.D.
Green Fitzhugh, M.D.
Jacob Lerman, M.D.
John P. Monks, M.D.
Helen S. Pittman, M.D.
Milton J. Quinn, M.D.
Charles L. Short, M.D.
Earle M. Chapman, M.D.
Edward F. Bland, M.D.
T. Duckett Jones, M.D.
John W. Cass, Jr., M.D.
Milton H. Clifford, M.D.
Reed Harwood, M.D.
Alfred Kranes, M.D.
Alfred O. Ludwig, M.D.
George P. Sturgis, M.D.
Edward G. Thorp, M.D.

*Consulting Dermatologists*

C. Guy Lane, M.D.
Jacob H. Swartz, M.D.
Austin W. Cheever, M.D.
Ethel M. Rockwood, M.D.
Myer M. Tolman, M.D.

---

* National Defense Project

## *Consulting Neurologists*

James B. Ayer, M.D.
George Clymer, M.D.
Henry R. Viets, M.D.
Charles A. McDonald, M.D.
Harry C. Solomon, M.D.
G. Colket Caner, M.D.
Charles S. Kubik, M.D.

## *Consulting Psychiatrists*

Stanley Cobb, M.D.
Kenneth J. Tillotson, M.D.
Jacob E. Finesinger, M.D.
Erich Lindemann, M.D.
Helene Deutsch, M.D.
Marianna Taylor, M.D.
R. Barry Bigelow, M.D.
Mandel E. Cohen, M.D.

## *Consulting Pediatricians*

Allan M. Butler, M.D.
Joseph Garland, M.D.
J. Herbert Young, M.D.
Richard S. Eustis, M.D.
Edward S. O'Keefe, M.D.
Eli C. Romberg, M.D.
Solomon H. Rubin, M.D.
Richard C. Tefft, Jr., M.D.
Arthur Bates Lyon, M.D.
Oliver E. Bixby, M.D.
Ralph W. Daffinee, M.D.
Leo B. Burgin, M.D.
Ralph A. Ross, M.D.
Nathan B. Talbot, M.D.

## *Consulting Surgeons*

Edward D. Churchill, M.D.
Arthur W. Allen, M.D.
George A. Leland, Jr., M.D.
Leland S. McKittrick, M.D.
Edward L. Young, Jr., M.D.
Joe Vincent Meigs, M.D.
Horace K. Sowles, M.D.
Henry C. Marble, M.D.
Ernest M. Daland, M.D.
A. William Reggio, M.D.
Reginald H. Smithwick, M.D.
Grantley W. Taylor, M.D.
E. Parker Hayden, M.D.
Horatio Rogers, M.D.
Henry H. Faxon, M.D.
Robert R. Linton, M.D.
Richard H. Sweet, M.D.
Oliver Cope, M.D.
Edward B. Benedict, M.D.
Langdon Parsons, M.D.
Richard H. Wallace, M.D.
Franklin G. Balch, Jr., M.D.
Marshall K. Bartlett, M.D.
Champ Lyons, M.D.
Bradford Cannon, M.D.
Ward I. Gregg, M.D.
Edward Hamlin, Jr., M.D.
Somers H. Sturgis, M.D.
Richard Warren, M.D.
Claude E. Welch, M.D.

## *Consulting Neurosurgeons*

James C. White, M.D.
John S. Hodgson, M.D.
Jost Michelsen, M.D.

### *Consulting Orthopedists*

Marius N. Smith-Petersen, M.D.
Armin Klein, M.D.
William A. Rogers, M.D.
George W. VanGorder, M.D.
Edwin F. Cave, M.D.
Joseph S. Barr, M.D.
Paul L. Norton, M.D.

### *Consulting Urologists*

George Gilbert Smith, M.D.
Fletcher H. Colby, M.D.
Richard Chute, M.D.
Sylvester B. Kelley, M.D.
Wyland F. Leadbetter, M.D.
Fiorinde A. Simeone, M.D.
Howard I. Suby, M.D.

### *Consulting Pathologists*

Benjamin Castleman, M.D.
Ronald C. Sniffen, M.D.

### *Consulting Bacteriologist*

Louis Dienes, M.D.

### *Consulting Roentgenologists*

Aubrey O. Hampton, M.D.
James R. Lingley, M.D.
Richard Schatzki, M.D.
Laurence L. Robbins, M.D.
Milford D. Schulz, M.D.

### *Consultant in Contagious Diseases*

Edwin H. Place, M.D.

### *Consultant in Preventive Medicine*

John E. Gordon, M.D.

### *Consultant in Pharmacology*

Otto Krayer, M.D.

## HOUSE STAFF

### *Residents in Ophthalmology*

Robert D. Mattis, M.D.
Joseph C. Kelly, M.D.
Carl C. Johnson, M.D.
Theodore A. Rice, M.D.
Karl Riemer, M.D.
Sumner D. Liebman, M.D.
John D. O'Connell, M.D.

### *Residents in Oto-Laryngology*

Frederick W. Ogden, M.D.
Edward J. Halton, M.D.
William F. Donoghue, M.D.
Rodney J. McKenzie, M.D.
Augustus W. Sainsbury, M.D.
Burton D. Bryan, M.D.
Daniel Miller, M.D.

# Brief History of the Massachusetts Eye and Ear Infirmary

The Massachusetts Eye and Ear Infirmary had its inception in the latter part of 1824 when Dr. Edward Reynolds and Dr. John Jeffries established a free clinic for the treatment of the eye in a small room in the Scollay Building situated in what is now the center of Scollay Square. It is the second oldest institution of its kind in the United States, the New York Eye and Ear Infirmary having been founded in 1820.

In the first sixteen months nearly 900 patients were treated, and so successful was the undertaking that in March, 1826, with the aid of friends, a public subscription was started and the Boston Eye Infirmary was formed. In 1827 it was formally incorporated as the Massachusetts Charitable Eye and Ear Infirmary (changed to the Massachusetts Eye and Ear Infirmary in 1924) and shortly moved to larger quarters at the corner of Court and Tremont Streets. The Infirmary was open from 12 to 1 o'clock for gratuitous treatment of the eye and ear. In 1827 there were reported 583 cases of eye diseases and 98 of ear diseases. The receipts were $473.62 and the expenses $333.62.

By 1836 the Infirmary was so well known that one-third of the patients came from outside of Boston and 153 towns and cities were represented. Owing to the increase in the number of patients, the Infirmary was removed in 1836 to the Salisbury Building on Summer Street, and three years later the Gore mansion on Green Street near Bowdoin Square was purchased. To enable the Infirmary to do this, the Commonwealth gave $5,000 and an additional grant of $2,000 a year, for five years. Here for the first time ward patients could be accommodated to the number of twenty. Previously they had been placed in boarding houses in the neighborhood. Facilities were provided for a school of observation, as it was called, for medical students and Dr. Jeffries gave a course of lectures at the Infirmary which was followed by lectures for six successive years by Dr. Reynolds at the Tremont Medical School. Daily clinics for students were held.

By 1849 the Gore mansion had become too small to take care of the increasing number of patients, in that year 2,000. With the aid of a generous grant from the Commonwealth and funds raised by subscriptions, property on Charles Street near Cambridge Street was purchased and a new Infirmary built and dedicated in 1850. Later a wing was added. In 1871 the Ear Department was organized and by 1876 the patients in that department numbered 2,250.

The first Charles Street building, which had housed the Infirmary for over fifty years, proved inadequate, and the Out-Patient Department was much over-crowded, with an average weekly attendance of 1,200. With the aid of a grant from the Commonwealth of $100,000, the present site was purchased and the building was completed in March, 1899. Since the last Constitutional Convention the Infirmary cannot by law receive any grant from the Commonwealth. Social Service was instituted in 1907. The Gardner Building for the treatment of contagious diseases of the eye was added shortly and in 1909 a separate building was built for the Pathological Laboratory. In the same year a Nurses' Home was built on the site of the old Infirmary, to house 94 people, and later the space formerly occupied by nurses in the Infirmary was changed into a private ward. A school for graduate and affiliated nurses which gives special training in the care of diseases of the eye, ear, nose and throat is maintained.

In the year 1922 the Laryngological Department of the Massachusetts General Hospital was granted the use of beds in the Infirmary and became a department of that institution as far as its house work was concerned.

In 1925 the surgeons of the Aural and Laryngological departments appear in one group as Oto-Laryngologists.

January 1st, 1928, the Laryngological Out-Patient Department of the Massachusetts General Hospital was taken over by the Infirmary and the relations of the Aural Department with the Laryngological Department became very close. At the same time the Out-Patient Department, though still operated by the Infirmary, was joined with that of the Massachusetts General Hospital in the new building built by the latter.

Part of the space formerly occupied by the Out-Patient Department was taken for the Howe Laboratory of Ophthalmology. This was made possible through the generosity of the late Dr. Lucien Howe, who gave $250,000 towards a fund of $500,000 given to Harvard College, the income to be used for Research work. The balance of the space was given over to the Research Laboratory of the Ear, Nose and Throat Department, the X-Ray Department and the Lucien Howe Library of Ophthalmology.

Last year the Infirmary took care of 5,186 people in the public wards, 1,628 in the private wards and there were 89,678 visits to the Out-Patient Department. The active staff numbers 75 and there are 244 paid employees.

# Report of the President

On behalf of the Board of Managers of the Massachusetts Eye and Ear Infirmary, I beg to present the One Hundred and Sixteenth Annual Report, being for the year 1941. Only by a careful reading of the reports of the various departments can one obtain any conception of the many activities which are carried on at the Infirmary. In many departments new work has been taken on so that the usefulness of the Infirmary is constantly being increased and its work broadened.

The daily average of patients in the Public Wards was less than last year, and in the Private Ward about the same. The decrease in the Public Wards was due in part to fewer cases of tonsils, adenoids and mastoids and probably to less unemployment. There was a larger percentage of those who could pay full rates but the total payment amounted to the same as if about one-third were free. Actually a little less than one-quarter were really free but many paid less than full rates. In the Out-Patient Department the daily average was less than last year but here also a larger percentage, about 75%, were able to pay the admission fee so that collections were about the same as last year.

The expenses of the Infirmary were almost $25,000 more than last year and though the receipts were about $15,000 more, even with increased income from invested funds, a deficit of slightly over $11,000 was incurred. However, we built up our inventory by a little more than $4,000. This is the fourth consecutive year that the Infirmary has incurred a deficit averaging for the four years about $11,000.

The situation is indeed a very serious one because we have already felt the increasing costs of supplies, and have had to increase some wages and are going to increase more very shortly, and we should have more nurses and attendants if we could obtain them. In addition to this, costs will undoubtedly increase this year. Moreover, there are many improvements which should be made, as many departments are cramped for space and the Staff cannot function to the extent of its ability. We have been obliged to increase some of the charges which should help to a certain extent. To add to the difficulties of carrying on the work, already a number of the Staff have left to enter the Service and more will leave shortly, so that it will be a very difficult year in which to operate. Fortunately quite a number of the former members of the Staff have loyally volunteered to come back and help.

As usual the Ladies' Visiting Committee by their unselfish service has added much to the comfort of the patients. Its members have helped in the Social Service and in the Nursing Departments. We are very much indebted to a group of Red Cross Volunteer Nurses' Aides who have given faithful service.

During the year Dr. Samuel H. Wilkins, who for twenty years had given devoted service to the Infirmary, resigned on account of the age limit and was appointed to the Consulting Staff.

The Managers gratefully acknowledge bequests received during the year from the estates of Mrs. Louie G. Applebee, Harriet E. Bird, Josiah Putnam Bradlee, Clara H. Briggs, Lucy H. Eaton, Mrs. Zira R. Grout, Alfred E. Haines, Clara F. Pierce, Elizabeth R. Stevens and Lena A. Tucker, and also a gift by the Trustees of the Paul Wilde Jackson Trust. They also wish to thank all those who through the Community Fund or otherwise have given to the Infirmary.

This year I wish on behalf of the Managers, in a greater measure than usual, to thank the Staff and employees for their loyal service in a difficult year when particularly towards the end the Infirmary was shorthanded. It is needless to say that to them is due the continued growth of the Infirmary.

R. G. FESSENDEN,
*President.*

# Report of the Treasurer

## BALANCE SHEET

December 31, 1941

### Assets

| | | |
|---|---|---|
| Land and buildings—book value | | $ 491,741.99 |
| Investments—book value: | | |
| Interest in five parcels of real estate | $ 5.00 | |
| Securities, etc. | 2,014,268.96 | 2,014,273.96 |
| Cash on hand: | | |
| Capital account | $ 80,904.08 | |
| Income account | 3,625.58 | 84,529.66 |
| Accounts receivable from patients (less reserve) | | 3,070.00 |
| Inventories of supplies, etc. | | 14,993.76 |
| Total Assets | | $2,608,609.37 |

### Funds and Liabilities

| | |
|---|---|
| General Funds | $1,481,487.09 |
| Permanent Funds—Income Restricted | 198,471.48 |
| Permanent Funds—Income Unrestricted | 911,341.61 |
| Special Purpose Funds | 9,474.39 |
| Unexpended Restricted Income | 3,625.58 |
| Accounts payable, advances from patients, and accrued items | 4,209.22 |
| Total Funds and Liabilities | $2,608,609.37 |

## INCOME ACCOUNT

*For the year ended December 31, 1941*

| | | |
|---|---|---|
| Hospital Income | | $357,972.59 |
| Hospital Expenses | $486,626.05 | |
| Treasurer's Expenses | 4,359.67 | 490,985.72 |
| *Excess of Expenses over Hospital Income | | $133,013.13 |
| Income from Investment Securities, less income applicable to Restricted Funds | $ 77,238.09 | |
| **Transfer from Special Purpose Funds | 13,746.89 | |
| Receipts from Community Federation of Boston, Committee of the Permanent Charity Fund, Estate of Charles G. Greene, Estate Elisha V. Ashton, Estate of G. Gorham Peters and others (excluding contributions for special purposes) | 26,923.24 | 117,908.22 |
| Deficit on Income Account | | $ 15,104.91 |

James Dean,
*Treasurer.*

The foregoing is made from the audit of Patterson, Teele and Dennis.

*As at January 1, 1941, the books at the Infirmary, which had heretofore been kept on the basis of actual cash receipts and disbursements, were placed upon the accrual basis by bringing into account inventories of supplies, outstanding accounts receivable and outstanding accounts payable at that date. The accompanying balance sheet at December 31, 1941, also takes into account those items. This change in procedure upon the transactions for the year 1941 results in a deficit on income account of $3,950.19 more than would have been shown if the books at the Infirmary had been maintained strictly on a cash basis as heretofore.

**The additions to Special Purpose Funds during the year 1941 aggregated $13,938.06, while, on the other hand, there were expenditures chargeable against Special Purpose Funds aggregating $13,764.38.

## INVESTMENT SECURITIES

*December 31, 1941*

### U. S. Government

| BONDS | |
|---|---|
| $25,000 | U. S. Treasury Notes "A" 1⅛%, June 15, 1943 |
| 63,000 | U. S. Treasury Bond 3¼%, October 15, 1945 |
| 20,000 | U. S. Treasury Bond 2¾%, September 15, 1947 |
| 10,000 | U. S. Treasury Bond 3%, June 15, 1948 |
| 50,000 | U. S. Savings Bond "G" Reg. Taxable 2½%, June 1, 1953 |
| 26,000 | U. S. Treasury Bond Taxable 2½%, March 15, 1954 |
| 35,000 | U. S. Treasury Bond 2¾%, June 15, 1954 |
| 30,000 | U. S. Treasury Bond Taxable 2½%, March 15, 1958 |
| 36,000 | U. S. Treasury Bond 2¾%, June 15, 1963 |
| 27,500 | U. S. Treasury Bond Taxable 2½%, September 15, 1972 |

### Canadian Government

| | |
|---|---|
| 20,000 | Canada, Dominion of 3¼%, January 15, 1961 |
| 10,000 | Canada, Dominion of 2¼%, January 15, 1944 |
| 25,000 | Canada, Dominion of 3%, November 15, 1968 |

### Rails

| | |
|---|---|
| 20,000 | Albany & Susquehanna Railroad Reg. 3½s 1946 |
| 20,000 | Atchison Topeka & Santa Fe Railway Co. General 4s 1995 |
| 10,000 | Boston & Albany Railroad 4½s, 1943 |
| 5,000 | Boston & Maine Railroad 4s 1960 |
| 12,500 | Boston & Maine Railroad "A" 4½s 1970 |
| 25,000 | Canadian Pacific Railway Equipment Trust 5s 1944 |
| 10,000 | Chesapeake & Ohio Railway Company General 4½s 1992 |
| 20,000 | Chicago, Burlington & Quincy Railroad 1st & Ref. "B" 4½s 1977 |
| 25,000 | Chicago & Northwestern Railway Company "A" 4¾s 1949 |
| 10,000 | Great Northern Railway Company General 3¾s 1967 |
| 15,000 | Jacksonville Terminal Company Ref & Ext "A" 5s 1967 |
| 15,000 | Lake Shore & Michigan Southern Ry Co. registered 3½s 1997 |
| 7,000 | Louisville & Jeffersonville Bridge Company 4s 1945 |
| 15,000 | Maine Central Railroad Co. 1st 4s 1945 |
| 10,000 | Michigan Central Railroad Company 1st 3½s 1952 |

| | |
|---|---|
| 20,000 | Missouri Pacific Railroad Company 1st & Refunding C/D 5s 1977 |
| 15,000 | New York Central & Hudson River RR, Michigan Central 3½s 1998 |
| 15,000 | Northern Pacific Railroad Co. Gen. Lien & Land Grant 3s 2047 |
| 15,000 | Pennsylvania Railroad 4¼s 1981 |
| 10,000 | St. Johnsbury & Lake Champlain Railroad Co. 5s 1944 |
| 15,000 | St. Louis San Francisco Ry. Co. Equipment Trust 4½s 1942 |
| 20,000 | Southern Pacific Company 4½s 1969 |

## UTILITIES

| | |
|---|---|
| 10,000 | Alabama Power Co. 4½s 1967 |
| 10,000 | American Telephone & Telegraph Company 3¼s 1966 |
| 15,000 | Bell Telephone Co. of Canada 5s 1960 |
| 15,000 | Blackstone Valley Gas & Electric Company 4s 1965 |
| 10,000 | Butte Electric & Power Company 1st 5s 1951 |
| 10,000 | Central New York Power Corporation General 3¾s 1962 |
| 8,500 | Chicago City Railway Company C/D 1st 5s 1927 |
| 10,000 | Cincinnati Gas & Electric Company 1st 3½s 1967 |
| 15,000 | Eastern Massachusetts Street Railway Co. 4½s 1948 |
| 20,000 | Florida Power & Light Company 1st 5s 1954 |
| 20,000 | Hudson & Manhattan Railroad Company 5s 1957 |
| 20,000 | Illinois Power & Light Company 1st & Refunding 5s 1956 |
| 10,000 | Mississippi River Power Company 1st 5s 1951 |
| 20,000 | Montana Power Company 1st 3¾s 1966 |
| 10,000 | North Boston Lighting Properties 3½s 1947 |
| 15,000 | Ohio Edison Company 1st 4s 1967 |
| 25,000 | Penn Power & Light Co. 3½s 1969 |
| 15,000 | Philadelphia Electric Co. 1st & Refunding 3½s 1967 |
| 15,000 | Public Service Company of Indiana 1st 4s 1969 |
| 15,000 | Puget Sound Power & Light Co. 1st & Refunding 5½s 1949 |
| 19,000 | Safe Harbor Water Power Corporation 4½s 1979 |
| 15,000 | Southern Bell Telephone & Telegraph Co. debenture 3¼s 1962 |
| 20,000 | Utah Power & Light Company 1st 5s 1944 |
| 15,000 | Virginia Electric & Power Company 1st & Refunding 3½s 1968 |
| 10,000 | Western Union Telegraph Company 5s 1960 |

## INDUSTRIALS

| | |
|---|---|
| 10,000 | Armour & Company of Delaware 4s 1955 |
| 15,000 | Bethlehem Steel Corp. 3¼s 1959 |
| 15,000 | International Paper Company 1st & Refunding 5s 1947 |
| 8,000 | Loew's Incorporated 3½s 1946 |
| 14,000 | National Steel Corp. 3s 1965 |
| 20,000 | Shell Union Oil Corp. 2½s 1954 |

## SUNDRY

| | |
|---|---|
| 25,000 | Commercial Credit Company due 1942 |

## COMMON

| STOCKS | |
|---|---|
| 300 shares | American Can Company, common |
| 410 shares | American Telephone & Telegraph Company |
| 204 shares | Atchison, Topeka & Santa Fe Railway Company, common |
| 300 shares | Bankers Trust Company |
| 200 shares | Borden Company, common |
| 400 shares | Boston Edison Company |
| 100 shares | Boston Real Estate Trust |
| 100 shares | Central Hanover Bank & Trust Company |
| 200 shares | Chemical Bank & Trust Company |
| 500 shares | Commonwealth Edison Company |
| 200 shares | Consolidated Gas Electric Light & Power Co. of Baltimore |
| 25 shares | Dwelling House Associates |
| 150 shares | Eastman Kodak Company Common |
| 500 shares | First National Bank of Boston |
| 1,200 shares | General Electric Company, common |
| 200 shares | General Motors Corporation, common |
| 150 shares | Guaranty Trust Company of New York |
| 300 shares | Hartford Fire Insurance Company |
| 100 shares | International Business Machines Corporation |
| 100 shares | Liggett & Myers Tobacco Company, common |
| 200 shares | Liggett & Myers Tobacco Company, common "B" |
| 100 shares | Ludlow Manufacturing Associates |
| 200 shares | National Biscuit Company, common |
| 500 shares | National Shawmut Bank of Boston |
| 116 shares | New England Telephone & Telegraph Company |
| 200 shares | New York Central Railroad Company |

| | |
|---|---|
| 200 shares | Pennsylvania Railroad Company |
| 500 shares | Phillips Petroleum Company |
| 150 shares | Phoenix Insurance Company of Hartford |
| 202 shares | Procter & Gamble Company, common |
| 600 shares | Standard Oil Company of New Jersey |
| 180 shares | Tacoma Transit Company |
| 500 shares | Texas Company |
| 300 shares | Torrington Company, Maine |
| 200 shares | Union Carbide & Carbon Corporation |
| 100 shares | Union Pacific Railroad Company, common |
| 200 shares | United Fruit Company |
| 200 shares | United Shoe Machinery Corporation, common |
| 200 shares | United States Gypsum Company, common |
| 100 shares | United States Steel Corporation, common |

### PREFERRED

| | |
|---|---|
| 150 shares | American Sugar Refining Company |
| 200 shares | Cleveland Electric Illuminating Company $4.50 preferred |
| 200 shares | Consolidated Edison Company of New York, $5.00 preferred |
| 100 shares | Electric Bond & Share Company |
| 150 shares | Safeway Stores, Incorporated |
| 200 shares | Southern Railway Company |
| 300 shares | United States Steel Corporation |

### SECURITIES HELD FOR WEBER FUND

| BONDS | |
|---|---|
| $ 500 | U. S. Treasury Bonds 3¼%, October 15, 1945 |
| 5,000 | U. S. Treasury Bonds 2%, December 15, 1947 |
| 1,000 | U. S. Treasury Bond Taxable 2%, March 15, 1950 |
| 500 | U. S. Treasury Bonds 2⅞%, March 15, 1960 |
| 1,000 | U. S. Treasury Bonds 2¾%, June 15, 1963 |

*The Managers gratefully acknowledge receipt of the following legacies during the year 1941:*

| | |
|---|---|
| Estate of Mrs. Louie G. Applebee | $ 500.00 |
| Estate of Harriet E. Bird<br>Additional, making a total of $31,650.05 | 100.00 |
| Estate of Josiah Putnam Bradlee<br>Additional, making a total of $267,391.24 | 24,000.00 |
| Estate of Clara H. Briggs | 3,000.00 |
| Estate of Lucy H. Eaton<br>Additional, making a total of $62,950 | 350.00 |
| Estate of Mrs. Zira R. Grout | 5,000.00 |
| Estate of Alfred E. Haines | 7,000.00 |
| Estate of Clara F. Pierce | 933.33 |
| Estate of Elizabeth R. Stevens<br>Additional, making a total of $543,196.68 | 380.00 |
| Estate of Lena A. Tucker | 5,000.00 |

| | |
|---|---|
| Gift by the Trustees of the Paul Wilde Jackson Trust | 25,000.00 |
| John and Martha Lawrence Fund<br>Additional, making a total of $8,092.74.<br>Principal and income to be at the disposal of the Ladies' Visiting Committee. | 1,302.68 |

## PERMANENT FUNDS—INCOME RESTRICTED

| | | |
|---|---|---|
| 1876 | Bequest under Will of Miss Susan P. Gray<br>Income to be applied to the relief and assistance of poor patients of the Infirmary. | $ 1,000.00 |
| 1882 | Berkshire Fund<br>Gift of Zenas M. Crane to establish a free bed to be known as the "Berkshire Bed," and to be used by preference by patients coming from Pittsfield, Massachusetts, or the adjacent locality. | 5,000.00 |
| 1889 | Bequest under Will of Elisha T. Loring<br>Income to be applied for the benefit of destitute patients. | 3,500.00 |
| 1898 | John W. and Belinda L. Randall Fund<br>Income, so far as practical, to be used to increase and diffuse knowledge in relation to health and disease of the eye and ear. | 30,000.00 |
| 1898 | The Frederick E. Weber Fund<br>Bequest under the will of Frederick E. Weber to be designated "The Frederick E. Weber Fund." One-half of the net income of the Fund and of its accumulations in each year shall each year be expended for the charitable purposes of the Infirmary. | 8,767.97 |
| 1899 | The Theodore Chase Memorial Fund<br>Gift of Mrs. Theodore Chase to establish "The Theodore Chase Memorial Fund." Income to be used for books and magazines for aural patients. | 2,500.00 |
| 1901 | Aural Surgeons' Fund<br>Gift of Dr. Clarence J. Blake to provide a fund to be known as the "Aural Surgeons' Fund." Income to be spent by the Surgeons only in the Aural Department. | 16,152.40 |

| | | |
|---|---|---|
| 1901 | Bequest under Will of Henry Saltonstall<br>Annual income to be applied in equal shares to the Aural and Ophthalmic Departments. | 10,000.00 |
| 1909 | Bequest under Will of Frederick R. Sears<br>Income to be used in any way that may add to the happiness and comfort, or that may tend to lighten the weary hours, of those unfortunates who may be afflicted with diseases of the eye, by rendering assistance to the families of such as are deserving and poor, and by providing such extra comforts to them and their families as may seem proper to the officers of the Infirmary. | 20,000.00 |
| 1912 | The Fund for the Maintenance of the Gardner Building<br>Gift of Mr. Shepherd Brooks. | 20,958.27 |
| 1912 | Social Service Fund<br>Gift of Mrs. Shepherd Brooks. | 5,000.00 |
| 1914/15 | Bequest under Will of William S. Hills<br>Income only to be used for free patients. | 10,000.00 |
| 1916 | Bequest under Will of Mitchell A. Dearborn<br>Income to be used for Social Service Work. | 1,000.00 |
| 1923 | William F. Watson Free Bed Fund<br>Bequest under will of Catherine E. Watson to establish a free bed in the Aural Department, to be known as the "William F. Watson Free Bed." | 6,000.00 |
| 1928 | Mary Lowell Stone Fund<br>Gift of Miss E. F. Munroe to establish a fund to be designated the "Mary Lowell Stone Fund," income to be used for needy, deserving patients. | 2,450.00 |

| | | |
|---|---|---|
| 1932/36 | George Strong Derby Memorial Fund<br>Income to be applied annually under the direction of the Board of Surgeons and the Board of Managers to continue the work of Dr. Derby along medical-social service lines. | 13,050.10 |
| 1938 | Bequest under Will of Charlotte S. Sprague<br>For the endowment of a free bed in memory of Elizabeth J. Ward, the occupancy of said bed to be designated by the Rector of Emmanuel Church in Boston. | 10,000.00 |
| 1941 | Henry Clay Jackson Fund<br>Gift by the Trustees of the Paul Wilde Jackson Trust to establish a fund to be known as the "Henry Clay Jackson Fund," income only to be used to help children afflicted or threatened with deafness. | 25,000.00 |
| 1938/41 | The John and Martha Lawrence Fund<br>Established by the Ladies' Visiting Committee. | 8,092.74 |

## PERMANENT FUNDS—INCOME UNRESTRICTED

| | | |
|---|---|---|
| 1850 | Bequest under Will of John Bromfield | $ 10,000.00 |
| 1871 | Joy Fund<br>Bequest under will of Miss Nabby Joy to be designated the "Joy Fund." | 10,000.00 |
| 1882 | Nathaniel Thayer Fund<br>Gift of Mr. Nathaniel Thayer to be known as the "Nathaniel Thayer Fund." | 54,570.00 |
| 1887 | Perkins Fund<br>Bequest under will of Richard Perkins to be known as the "Perkins Fund." | 10,000.00 |
| 1890 | Ellen M. Gifford Fund<br>Bequest under will of Mrs. Ellen M. Gifford to be called the "Ellen M. Gifford Fund." | 5,000.00 |
| 1891 | Bequest under Will of J. Huntington Wolcott | 1,500.00 |
| 1895 | Bequest under Will of Samuel E. Sawyer | 2,382.20 |
| 1896/97 | Ann White Vose Fund | 18,591.54 |
| 1898 | Bequest under Will of Henry L. Pierce | 20,000.00 |
| 1907 | Adelaide Le Compte Spalding Fund<br>Gift of Francis D. Le Compte in memory of Adelaide Le Compte Spalding. | 25,000.00 |
| 1912 | Julia M. Moseley Fund | 6,190.47 |
| 1915 | Bequest under Will of Harriet Otis Cruft | 10,000.00 |
| 1921 | Bequest under Will of Clara B. Kimball | 1,050.00 |
| 1921 | Charles Frederick Smith Fund<br>Bequest under will of Charles Frederick Smith to be known as the "Charles Frederick Smith Fund." | 8,663.00 |
| 1923 | Bequest under Will of Harriet S. Hazeltine | 13,000.00 |
| 1924/36 | Bequest under Will of Joseph B. Glover | 28,936.58 |

| | | |
|---|---|---|
| 1924 | Anna P. Rogers Fund<br>Bequest under will of Anna P. Rogers to be known as the "Anna P. Rogers Fund." | 10,000.00 |
| 1927 | Alice-Lee Thomas Stevenson Fund<br>Gift of Robert H. Stevenson, Jr. to establish a fund to be known as the "Alice-Lee Thomas Stevenson Fund." | 10,000.00 |
| 1927 | Charles C. Ely Fund | 5,000.00 |
| 1927 | Dr. E. H. Bradford Fund<br>Gift of Mrs. Edith Fiske Bradford in memory of her husband to establish a fund to be known as the "Dr. E. H. Bradford Fund." | 1,000.00 |
| 1927 | Levina B. Urbino Fund<br>Bequest under will of Samson R. Urbino to establish a fund to be known as the "Levina B. Urbino Fund." | 500.00 |
| 1927 | Walter C. Lewis Fund | 25,000.00 |
| 1931 | Henry A. Page Fund<br>Bequest under will of Ellen Page Hall to be known as the "Henry A. Page Fund." | 30,000.00 |
| 1931/32 | George C. Pierce Fund<br>Bequest under will of Merrill L. Pierce to be known as the "George C. Pierce Fund." | 34,251.95 |
| 1931/41 | Bequest under Will of Elizabeth R. Stevens | 543,196.68 |
| 1934 | Bequest under Will of Hannah Hathaway Kimball | 1,000.00 |
| 1935 | Henry Clay Jackson Fund<br>Gift by the Trustees of the Paul Wilde Jackson Trust to be known as the "Henry Clay Jackson Fund." | 25,500.00 |
| 1936/39 | George W. Butterfield Fund<br>Bequest under will of Helen C. Butterfield to be known as the "George W. Butterfield Fund." | 1,009.19 |

## UNRESTRICTED BEQUESTS

| | | |
|---|---|---|
| 1914 | Allen, Caroline B. | $ 5,000.00 |
| 1930 | "Anonymous," from a patient of Dr. George S. Derby | 2,000.00 |
| 1941 | Applebee, Mrs. Louie G. | 500.00 |
| 1905 | Appleton, Emily W. | 2,000.00 |
| 1892 | Ashton, Elisha Vinton<br>Annual income from a trust established under his will. | |
| 1859 | Austin, Mrs. Agnes | 1,000.00 |
| 1914 | Bartlett, Francis | 10,000.00 |
| 1889 | Bartlett, Sidney | 5,000.00 |
| Prior to 1835 | Belknap, Jeremiah | 1,000.00 |
| Prior to 1835 | Belknap, Miss Mary | 1,000.00 |
| Prior to 1835 | Belknap, Sarah | 1,500.00 |
| 1930 | Bernstein, William | 100.00 |
| 1900/02 | Billings, Robert C. | 50,000.00 |
| 1938/41 | Bird, Harriet E. | 31,650.05 |
| 1929 | Black, George Nixon | 10,000.00 |
| 1873 | Blanchard, John A. | 1,000.00 |
| 1926 | Blodgett, Albert N.<br>Annual income from a trust established under his will. | |
| 1906 | Bolton, William T. | 552.22 |
| 1871 | Bordman, M. A. | 100.00 |
| 1910 | Boyd, George William | 5,000.00 |
| 1898/41 | Bradlee, Josiah Putnam | 267,391.24 |
| 1914/27 | Bradstreet, Charlotte A. | 23,273.50 |
| 1934 | Brewster, William | 10,000.00 |
| 1941 | Briggs, Clara H. | 3,000.00 |
| 1924 | Brigham, Robert B.<br>Annual income from a trust established under his will. | |
| 1936/38 | Brooks, Martha H. | 11,070.73 |
| 1885 | Brooks, Mrs. Susan O. | 1,000.00 |
| 1930 | Brown, Miss Annie H. | 20,000.00 |
| 1845 | Brown, John | 200.00 |
| 1902/03 | Browne, Edward I. | 10,000.00 |
| 1904 | Center, Joseph H. | 1,000.00 |

| | | |
|---|---|---|
| 1896 | Cheney, Benjamin P. | 2,000.00 |
| 1898 | Colburn, Eliza Ann | 5,000.00 |
| 1938 | Comee, Lillian M. | 200.00 |
| 1933/37 | Cook, George Green | 6,583.68 |
| 1939 | Crosby, Mary Celia | 2,000.00 |
| 1938/39 | Crowell, Mary Louise | 12,582.41 |
| 1934 | Curtis, Louis | 2,500.00 |
| 1923 | Cushing, Herbert B. | 1,000.00 |
| 1877 | Dalton, Delia | 50.00 |
| 1861 | Dalton, P. R. | 500.00 |
| 1873 | deRohbinder, Elise | 87.50 |
| 1929 | Dix, John H. | 50.00 |
| 1933/41 | Eaton, Lucy H. | 62,950.00 |
| 1933/39 | Eaton, Mary Agnes | 3,750.92 |
| 1929 | Eaton, William | 500.00 |
| 1923 | Estabrook, Arthur F. | 10,000.00 |
| 1925 | Estabrook, Ida F. | 10,000.00 |
| 1904 | Farlow, John S. | 2,500.00 |
| 1933/34 | Field, Edward B. | 500.00 |
| 1940 | Gardner, George Peabody | 10,000.00 |
| 1896 | Glover, Albert | 1,000.00 |
| 1902 | Glover, Joseph B. | 5,000.00 |
| 1901 | Goddard, Rebecca A. | 500.00 |
| 1929/30 | Goldsmith, Benjamin H. | 1,824.67 |
| 1886/87 | Goldsmith, Mrs. Sophia P. | 759.84 |
| 1844 | Gossler, Gustavus | 1,000.00 |
| 1884 | Gray, Miss Ann E. | 1,000.00 |
| 1924/25 | Green, Charles G. | 36,214.02 |
| | Also annual income from a trust established under his will. | |
| 1863 | Greene, B. D. | 2,000.00 |
| 1941 | Grout, Mrs. Zira R. | 5,000.00 |
| 1898 | Hagerty, Peter F. | 2,556.25 |
| 1941 | Haines, Alfred E. | 7,000.00 |
| 1874 | Hammond, Daniel | 509.17 |
| 1904 | Hayden, Charles H. | 50,000.00 |
| 1933 | Hazlett, John P. | 2,500.00 |
| 1884 | Homer, Albert | 60.50 |
| 1871 | Homer, Sidney | 1,000.00 |
| 1879 | Hovey, G. O. | 2,000.00 |
| 1873/74 | Hudson, Benjamin | 22,308.97 |
| 1889 | Hunt, Moses | 1,000.00 |
| 1940 | Hurd, Charles Russell | 500.00 |

| | | |
|---|---|---|
| 1853 | Ingersoll, James | 1,000.00 |
| 1836 | Jackson, Miss Sarah | 600.00 |
| 1871 | Joy, Miss Nabby | 5,000.00 |
| 1926 | Kimball, Miss Lulu S. | 3,000.00 |
| 1896 | Kimball, Moses | 5,000.00 |
| 1912 | Lamson, Miss Catherine M. | 2,000.00 |
| 1879/91 | Lane, Miss Henrietta | 7,114.71 |
| 1871 | Lawrence, Abbott | 1,500.00 |
| 1858 | Lawrence, Mrs. Susan | 500.00 |
| 1875 | Lee, Rebecca | 1,000.00 |
| 1868 | Loring, Abigail | 5,017.33 |
| 1900 | Lowell, Augustus | 10,000.00 |
| 1909 | Lyman, Florence | 7,811.46 |
| 1939 | Mace, Marjorie J. | 1,000.00 |
| 1935 | McCrossen, Patrick H. | 25.00 |
| 1878 | McGregor, James | 1,000.00 |
| 1907 | Merriam, Charles | 5,000.00 |
| 1912 | Morse, Mrs. Samuel T. | 500.00 |
| 1940 | Morss, John Wells | 10,000.00 |
| 1924/30 | Moseley, Frances A. | 31,782.50 |
| 1844 | Munson, Israel | 3,000.00 |
| 1935/39 | Newcomb, Miss Lucy | 976.25 |
| 1900/03 | Parker, Elizabeth P. | 27,220.16 |
| 1845 | Parker, John | 5,000.00 |
| 1924 | Parkman, Henry | 2,500.00 |
| 1935 | Parlin, Albert Norton, Trustees under Will<br>Free Bed Fund | 25,000.00 |
| 1838 | Payne, William C. | 10,000.00 |
| 1940 | Peavy, Silas<br>Free Bed Fund | 1,000.00 |
| 1929 | Perkins, Isabella S. | 5,000.00 |
| 1900 | Peters, Edward D. | 500.00 |
| 1939 | Peters, G. Gorham<br>Annual income from a trust established under his will. | |
| 1860 | Phillips, Jonathan | 5,000.00 |
| 1863/64 | Pickens, John | 863.38 |
| 1941 | Pierce, Clara F. | 933.33 |
| 1906/07 | Potter, Sarah E. | 88,330.50 |
| 1878 | Powars, Eliza | 2,000.00 |
| 1915/27 | Pratt, Sarah E. | 2,988.34 |
| 1871 | Read, James | 500.00 |
| 1880 | Reynolds, J., legacy received through | 100.00 |

| | | |
|---|---|---|
| 1927 | Riley, William J. | 5,000.00 |
| 1939 | Ross, Ellen H.<br>"In name and memory of my sister, Mary E. Haven" | 5,000.00 |
| 1912 | Rotch, Arthur | 14,326.30 |
| 1903 | Ruggles, Mary Louisa | 3,000.00 |
| 1911/13 | Rust, Nancy E. | 2,640.00 |
| 1887/88 | Scholfield, Ann | 4,250.00 |
| 1891 | Scholfield, Joseph | 2,500.00 |
| 1918 | Sewall, Richard Black | 25,000.00 |
| 1930 | Smith, Miss Ellen Vose | 29,793.70 |
| 1936 | Sohier, Emily L.<br>"To be added to the George Strong Derby Memorial Fund" | 3,000.00 |
| 1887 | Somes, Miss Abby | 5,000.00 |
| 1920 | Spencer, Aaron W. | 2,000.00 |
| 1925 | Sweeney, Christopher F. | 50.00 |
| 1894 | Sweetser, Mrs. Anne M. | 1,000.00 |
| 1884 | Swett, Mrs. Mary W. | 2,000.00 |
| 1874 | Templeton, John | 5,000.00 |
| 1897 | Thayer, Mrs. Cornelia V. R. | 10,000.00 |
| 1923/28 | Thompson, Joseph | 3,761.09 |
| 1897 | Tileston, Charles | 2,797.30 |
| 1941 | Tucker, Lena A. | 5,000.00 |
| 1896 | Turner, Mary B. | 2,000.00 |
| 1921 | Upton, George B. | 5,000.00 |
| 1881 | Upton, Mrs. George B. | 500.00 |
| 1924 | Vialle, Charles A. | 3,000.00 |
| 1920 | Vose, Abbie T. | 1,014.90 |
| 1914 | Wadleigh, Horace W. | 2,000.00 |
| 1845 | Waldo, Daniel | 6,000.00 |
| 1934 | Welton, John C. | 4,000.00 |
| 1916 | Wheelwright, John W. | 2,000.00 |
| 1902 | White, Susan J. | 10,000.00 |
| 1935 | Willson, Mary A. | 3,000.00 |
| 1934 | Wilson, Annie C. | 1,002.19 |
| 1912 | Wolcott, Harriet Frothingham | 5,532.00 |
| 1932 | Woods, Henry D. | 5,000.00 |
| 1897 | Wyman, Thomas T. | 20,000.00 |
| 1895 | Kettell, Catherine H.<br>Gift "In memory of Louisa C. Kettell" | 300.00 |
| 1927/29 | One Hundredth Anniversary Campaign Fund | 406,107.80 |

# Report of the Ladies' Visiting Committee

THE LADIES' VISITING COMMITTEE has again added another $1,000 to the John and Martha Lawrence Fund, from the proceeds of the last Rummage Sale, bringing the total up to $8,092.74.

In place of the usual visiting, the Committee has organized a group of its members to work one day a month in the Infirmary. This group is large enough to have one person at the Hospital each day in the week, except Saturdays and Sundays, to help the nurses on the Wards. These visitors arrange flowers, fill water pitchers, distribute mail, read, write letters and in particular feed those patients who are unable to feed themselves, thus releasing the nurses for other duties.

During the year we have given 60 aluminum trays to the Men's Ward, bibs for the Nursery and two dozen bath robes for the Women's Ward. As usual, magazines and papers have been supplied for the Nurses' Home and money given for the Christmas party for the nurses. The Ladies' Visiting Committee again bought and wrapped presents for all the patients who were in the Infirmary on Christmas day and one of our members decorated the Nursery and gave toys for the children. The Committee also gave money for decorations and for Christmas trees for the Wards and individual members gave candy and a tree for the yard.

This Fall we gave $200 to do some much needed redecorating in the Nurses' Home. Two sofas and four chairs have been reupholstered and recovered and we hope in the Spring to get slip covers and new curtains for the living room.

It is becoming more difficult to get members to attend meetings as some of our best workers have taken all-time jobs in the British War Relief, American Red Cross, etc. However, we are still planning to have our Annual Rummage Sale in the Spring and we hope that friends of the Infirmary will save for us all the bric-a-brac, clothes, etc., that they do not want.

HELEN M. SARGENT,
*Chairman, Ladies' Visiting Committee.*

# Report of the Director

To the Managers:

Herewith I submit my seventh report as Director and the report for the year 1941. The Infirmary has enjoyed a year of well regulated operation under the leadership of Drs. Schall and Dunphy. The approach and ultimate arrival of war has naturally affected the staff and their activities. Five members of the Ophthalmological Staff and three residents are already in Service and seven members of the Oto-Laryngological Staff. Both the Howe and Mosher Laboratories are working on research problems under the auspices of the Office of Scientific Development and Research and the National Defense Research Council. Thus the Staff and the physical facilities of the Infirmary are contributing to the defense of the Country.

It has long been recognized that the operation of the Infirmary is affected by seasonal demands which produce alternate periods of crowding and empty beds. The number of patients treated annually and the numbers of operations, however, had not varied greatly between 1930 and 1939. The year 1940 showed a definite drop and this year a similar drop. Operations for simple mastoids have fallen 35%. The number of x-rays of mastoids and sinuses 12%.

The use of sulfonamide chemotherapy began in 1936. By 1939 the technique for its use was well established. There is every reason to believe that there is a close relation between the use of this method of treatment and the reduction in the number and severity of mastoids and sinus infections and consequently a reduction in the number of patients requiring hospitalization and the number of operations for these conditions.

For a number of years there has been a fluctuating but gradual reduction in the number of gonorrheal and non-gonorrheal conjunctival and trachoma infections admitted to the Gardner Ward. In these instances we are probably observing the cumulative results of Public Health measures in the control and treatment of these diseases.

The Infirmary together with other hospitals, is experiencing difficulty in maintaining its full nursing numbers in spite of improved nursing schedules and a shortening of weekly hours.

Under Mrs. Wilson's guidance the Medical Social Service Department has gradually changed the emphasis of its work towards a fuller application of medical social service principles. The personnel of the department has been gradually built up with better trained social workers.

Miss Cook has quietly directed the dietary department and the quality and serving of meals to all groups has improved.

The Occupational Therapy Department after years of waiting has at last achieved adequate quarters in Dr. Verhoeff's old office. Occupational Therapy in the Infirmary plays an important part in occupying the minds and physical activities of patients who during a large part of their hospitalization would otherwise become restless and unhappy. It is now able to work efficiently. During Miss Wade's illness Mrs. Anne Olsen, the Assistant, carried on ably and well.

In the Pathological Laboratory, beside the usual routine work, Dr. Terry, aided by a special fund, has started investigation of the causes and treatment of a rare but disabling condition known as persistent tunica vasculosa lentin occurring in premature infants.

Investigation and treatment of aniseikonia is a comparatively recent development of Ophthalmology. The Montgomery-Frost Company has presented the Infirmary with the appropriate instrument. Dr. M. T. Easton, having completed studies on this at Dartmouth, will be placed in charge and a consulting service will be offered to New England Ophthalmologists for treatment of this condition.

The Mosher Laboratory of the Oto-Laryngological Department during the year has gradually taken over much of the clinical laboratory work of the Infirmary which hitherto has been scattered in various laboratories. This has been made possible through the establishment of a Bacteriological Laboratory. The institution of a laboratory fee for all patients has helped to provide funds for personnel and supplies.

## GIFTS:

The Ladies' Visiting Committee gave bibs for the Nursery; aluminum trays for the Men's Ward; bathrobes for the Women's Ward; Christmas presents for patients; Christmas decorations and a Christmas tree for the yard.

Other friends gave chairs and tables for the Private Ward, Porch and the Women's Ward; books for the Patients' Library; cellophane drinking tubes; flowers and decorations and presents for the Nursery patients at Christmas.

We are grateful to the Needlework Guild of America for their continued help in supplying rompers for the children and to the American Red Cross, Metropolitan Chapter, for surgical dressings.

## STAFF CHANGES:

### *Deaths*

Dr. George H. Wright, October 18, 1941. It is with deep regret that we record the death of Dr. Wright, Dentist, a member of the Infirmary Staff since 1922. During the course of his long service he was actively interested in the affairs of the Infirmary, which interest was materially evidenced by his many gifts. His hobby was his garden which he generously shared with his friends, who will miss his genial smile and friendly greeting.

### *Appointments*

| | |
|---|---|
| Dr. Edmund W. Clap<br>Dr. Elwood T. Easton<br>Dr. Henry Hawkins<br>Dr. Samuel H. Wilkins | Consulting Surgeon in Ophthalmology |

Dr. Virgil G. Casten—Surgeon in Ophthalmology

Dr. Trygve Gundersen—Associate Surgeon in Ophthalmology

| | |
|---|---|
| Dr. Paul G. Haire<br>Dr. Edward E. Covitz | Assistant Surgeon in Ophthalmology |
| Dr. Gertrude W. Baldwin<br>Dr. Franklyn D. Burger | Senior Clinical Assistant in Ophthalmology |
| Dr. Clarence H. Birdsall<br>Dr. Thomas F. Capeles<br>Dr. Lawrence R. Dame<br>Dr. Arthur M. Morrissey | Clinical Assistant in Ophthalmology |

Dr. Carl Ernlund—Associate Surgeon in Oto-Laryngology
Assigned to the Tumor Clinic

| | |
|---|---|
| Dr. David P. Cordray | Clinical Assistant in Oto-Laryngology |
| Dr. Kenneth Kazanjian | |
| Dr. Herman J. Sternstein | |

*Resignations*

On April 9, 1941, Dr. Samuel H. Wilkins, Associate Surgeon in Ophthalmology. Dr. Wilkins had been connected with the Infirmary since 1921.

On January 20, 1941, Dr. Meyer M. Gilbert, Clinical Assistant in Ophthalmology. Dr. Gilbert has been connected with the Infirmary since 1931.

On October 27, 1941, Dr. Samuel Cline, Clinical Assistant in Oto-Laryngology. Dr. Cline had been connected with the Infirmary since 1926.

Operating expenses and operation income both rose above the 1940 figure. The operating deficit for 1941 was $124,703, $9,548 greater than that of 1940, due mostly to the increased cost of food, pharmaceuticals and other supplies. Salaries were less than the budget estimate largely because it was impossible to obtain the allotted number of nurses and other employees. Weekly hours of nursing were shortened during the year and additional nurses, attendants and secretaries granted. The wages of all employees receiving less than $1,000 was increased. Adjustment of other salaries will be necessary during the coming year. Increasing cost of supplies must be expected.

On January 1, 1941, in order to conform to an accounting system recommended by the Boston Hospital Council and The Community Fund, an accrual accounting system was adopted. Only a portion of the cash accounting system was retained. The chart of accounts and organization and grouping of departments was also changed. Because of these changes comparison of this year's expenses and income with last year's is difficult. Both this year's accounting sheets and last year's are printed in the annual report for the year.

No building operations can be considered at present. Needed repairs and maintenance is assured through government priorities to hospitals. The Infirmary, however, must plan and look forward towards the oft mentioned and long needed remodeling of operating rooms. We should start accumulating funds for this now, prepare our plans and be ready to go ahead when the opportunity permits.

The Director again points out the need of doubling the endowment of the Infirmary. Blindness and deafness are calamities which affect both individuals and the community. They lessen or eliminate the self supporting powers of the individual and thus place the burden of support upon the community. The Massachusetts Eye and Ear Infirmary is the outstanding institution in New England where diagnosis and treatment for these crippling conditions can be carried out and where research for prevention and curative measures can be most hopefully supported.

Nathaniel W. Faxon, M.D.,
*Director.*

# STATEMENT OF EXPENSES ON ACCRUAL BASIS

*For the Twelve Months Ending December 31, 1941*

| SALARIES AND WAGES | Public Ward | Private Ward | Infirmary Total | Out-Patient Department | Grand Total |
|---|---|---|---|---|---|
| Administrative: | | | | | |
| Administration and General | $22,048.42 | $7,217.55 | $29,265.97 | $10,003.85 | $39,269.82 |
| Household and Property: | | | | | |
| Housekeeping | 10,381.14 | 2,267.09 | 12,648.23 | 4,978.05 | 17,626.28 |
| Operation of Plant | 3,985.22 | 1,021.68 | 5,006.90 | .......... | 5,006.90 |
| Maintenance and Repair | 4,869.75 | 1,331.88 | 6,201.63 | 475.22 | 6,676.85 |
| Laundry | 6,397.78 | .......... | 6,397.78 | .......... | 6,397.78 |
| Nurses' Home | 3,332.71 | .......... | 3,332.71 | .......... | 3,332.71 |
| Other Personnel Quarters | 680.34 | .......... | 680.34 | .......... | 680.34 |
| Dietary | 21,591.76 | 1,249.88 | 22,841.64 | 215.26 | 23,056.90 |
| Total Household and Property | $51,238.70 | $5,870.53 | $57,109.23 | $5,668.53 | $62,777.76 |
| Professional Care of Patients: | | | | | |
| Medical—Surgical Care | $14,176.52 | $2,532.48 | $16,709.00 | .......... | $16,709.00 |
| Nursing Care | 37,360.08 | 12,208.19 | 49,568.27 | 4,495.13 | 54,063.40 |
| School of Nursing | 2,582.80 | 294.43 | 2,877.23 | .......... | 2,877.23 |
| Medical Records | 5,168.55 | 1,171.44 | 6,339.99 | 5,220.95 | 11,560.94 |
| Howe Library | 389.70 | 100.80 | 490.50 | .......... | 490.50 |
| Social Service | 14,777.11 | .......... | 14,777.11 | .......... | 14,777.11 |
| Total Professional Care of Patients | $74,454.76 | $16,307.34 | $90,762.10 | $9,716.08 | $100,478.18 |
| Professional Care of Patients—Special: | | | | | |
| Operating Room | $5,202.42 | $3,129.94 | $8,332.36 | .......... | $8,332.36 |
| Anesthesia | 3,557.97 | 999.00 | 4,556.97 | .......... | 4,556.97 |
| X-Ray | 2,156.05 | 620.76 | 2,776.81 | $5,021.64 | 7,798.45 |
| Laboratories: | | | | | |
| Pathological | 3,667.65 | 1,253.40 | 4,921.05 | 323.76 | 5,244.81 |
| Mosher | 2,500.04 | 456.00 | 2,956.04 | 177.24 | 3,133.28 |
| Dental Hygienist | 452.33 | .......... | 452.33 | .......... | 452.33 |
| Occupational Therapist | 2,794.20 | .......... | 2,794.20 | .......... | 2,794.20 |
| Optical | .......... | .......... | .......... | 6,192.41 | 6,192.41 |
| Refractionists | .......... | .......... | .......... | 11,025.77 | 11,025.77 |
| Animal Farm | 320.58 | .......... | 320.58 | .......... | 320.58 |
| Total Professional Care of Patients—Special | $20,651.24 | $6,459.10 | $27,110.34 | $22,740.82 | $49,851.16 |
| Total Salaries and Wages | $168,393.12 | $35,854.52 | $204,247.64 | $48,129.28 | $252,376.92 |
| SUPPLIES AND EXPENSES | | | | | |
| Administrative: | | | | | |
| Administration and General | $11,454.63 | $2,449.76 | $13,904.39 | $15,179.95 | $29,084.34 |
| Household and Property: | | | | | |
| Housekeeping | 4,405.67 | 2,305.93 | 6,711.60 | 760.56 | 7,472.16 |
| Operation of Plant | 8,740.72 | 1,634.34 | 10,375.06 | 3,773.13 | 14,148.19 |
| Maintenance and Repair | 1,424.31 | 719.19 | 2,143.50 | 187.34 | 2,330.84 |
| Laundry | 4,710.61 | 2,982.19 | 7,692.80 | 224.70 | 7,917.50 |
| Nurses' Home | *1,572.87* | 3,463.05 | 1,890.18 | 225.00 | 2,115.18 |
| Other Personnel Quarters | 1,131.89 | .......... | 1,131.89 | 431.14 | 1,563.03 |
| Dietary | 30,108.76 | 19,917.95 | 50,026.71 | 4,327.18 | 54,353.89 |
| Total Household and Property | $48,949.09 | $31,022.65 | $79,971.74 | $9,929.05 | $89,900.79 |
| Professional Care of Patients: | | | | | |
| Medical—Surgical Care | $5,715.55 | $1,817.75 | $7,533.30 | $4.00 | $7,537.30 |
| Nursing Care | 658.20 | 2.74 | 660.94 | 409.71 | 1,070.65 |
| School of Nursing | 374.05 | .......... | 374.05 | .......... | 374.05 |
| Medical Records | 1,125.77 | 221.16 | 1,346.93 | 1,099.19 | 2,446.12 |
| Howe Library | *11.67* | 155.88 | 144.21 | .......... | 144.21 |
| Social Service | 1,951.89 | .......... | 1,951.89 | .......... | 1,951.89 |
| Pharmacy and Drugs | 9,183.19 | 1,574.20 | 10,757.39 | 25,993.29 | 36,750.68 |
| Total Professional Care of Patients | $18,996.98 | $3,771.73 | $22,768.71 | $27,506.19 | $50,274.90 |
| Professional Care of Patients—Special: | | | | | |
| Operating Room | $8,188.15 | $2,634.21 | $10,822.36 | .......... | $10,822.36 |
| Anesthesia | 182.43 | 39.80 | 222.23 | .......... | 222.23 |
| X-Ray | 3,243.39 | 427.42 | 3,670.81 | 3,423.15 | 7,093.96 |
| Laboratories: | | | | | |
| Pathological | 2,443.23 | 167.88 | 2,611.11 | 43.38 | 2,654.49 |
| Mosher | 3,220.34 | 278.25 | 3,498.59 | 108.21 | 3,606.80 |
| Howe | 49.18 | .......... | 49.18 | .......... | 49.18 |
| Occupational Therapy | 524.04 | .......... | 524.04 | .......... | 524.04 |
| Optical | .......... | .......... | .......... | 25,691.72 | 25,691.72 |
| Animal Farm | *150.75* | .......... | *150.75* | .......... | *150.75* |
| Massachusetts General Laboratories | 1,860.74 | 719.51 | 2,580.25 | .......... | 2,580.25 |
| Total Professional Care of Patients—Special | $19,560.75 | $4,267.07 | $23,827.82 | $29,266.46 | $53,094.28 |
| Inventory Adjustments, etc.: | | | | | |
| Breakage, etc. Storeroom | $78.43 | .......... | $78.43 | .......... | $78.43 |
| Cost of Supplies Sold | 89.27 | .......... | 89.27 | .......... | 89.27 |
| Total Inventory Adjustments, etc. | $167.70 | .......... | 167.70 | .......... | $167.70 |
| Total Supplies and Expenses | $99,129.15 | $41,511.21 | $140,640.36 | $81,881.65 | $222,522.01 |
| Total Salaries, Supplies and Expenses—Transferred to Schedule B | $267,522.27 | $77,365.73 | $344,888.00 | $130,010.93 | $474,898.93 |

## STATEMENT OF EARNED INCOME (AT STANDARD RATES) ON ACCRUAL BASIS LESS ALLOWANCES TO PATIENTS

*For the Twelve Months Ending December 31, 1941*

| | Public Ward | Private Ward | Infirmary Total | Out-Patient Department | Grand Total |
|---|---|---|---|---|---|
| Gross Earned Income (at Standard Rates): | | | | | |
| Day Rate Service | $135,924.59 | $54,351.00 | $190,275.59 | .......... | $190,275.59 |
| Special Earnings: | | | | | |
| Operating Room | 26,091.00 | 9,315.00 | 35,406.00 | .......... | 35,406.00 |
| Anesthesia | .......... | 2,620.50 | 2,620.50 | .......... | 2,620.50 |
| X-Ray Examinations | 7,877.12 | 4,514.79 | 12,391.91 | $19,342.73 | 31,734.64 |
| X-Ray Therapy | 849.50 | 381.50 | 1,231.00 | 847.24 | 2,078.24 |
| Laboratories: | | | | | |
| Pathological | 677.00 | 493.50 | 1,170.50 | .......... | 1,170.50 |
| Mosher | 6,301.00 | 3,227.50 | 9,528.50 | .......... | 9,528.50 |
| Howe | .......... | .......... | .......... | .......... | .......... |
| Massachusetts General | 2,383.70 | 996.50 | 3,380.20 | 69.50 | 3,449.70 |
| Medical—Surgical Supplies | 3,453.03 | 1,287.48 | 4,740.51 | .......... | 4,740.51 |
| Special Nurses' Board | 451.25 | 2,415.50 | 2,866.75 | .......... | 2,866.75 |
| Optical | 768.07 | 310.15 | 1,078.22 | 61,215.16 | 62,293.38 |
| Refractions | 11.00 | 85.00 | 96.00 | 13,480.15 | 13,576.15 |
| Ambulance | 5.00 | .......... | 5.00 | .......... | 5.00 |
| Out-Patient Department: | | | | | |
| Admission Fees | 33.90 | .......... | 33.90 | 43,313.24 | 43,347.14 |
| Pharmaceutical | .......... | .......... | .......... | 20,057.36 | 20,057.36 |
| Operating Room | .......... | .......... | .......... | 7,291.24 | 7,291.24 |
| Lunch Counter | .......... | .......... | .......... | 2,212.60 | 2,212.60 |
| Telephone | 228.03 | 67.40 | 295.43 | .......... | 295.43 |
| Emergency Ward | 3,260.45 | .......... | 3,260.45 | .......... | 3,260.45 |
| Clinical Records | 494.35 | .......... | 494.35 | 205.87 | 700.22 |
| Miscellaneous | 1,426.42 | 63.50 | 1,489.92 | 14.59 | 1,504.51 |
| Total Gross Earned Income (at Standard Rates): Transferred to Schedule B | $190,235.41 | $80,129.32 | $270,364.73 | $168,049.68 | $438,414.41 |
| *Less:* | | | | | |
| Allowances to Patients | 43,589.31 | 95.07 | 43,684.38 | 36,757.44 | 80,441.82 |
| Total Net Earned Income | $146,646.10 | $80,034.25 | $226,680.35 | $131,292.24 | $357,972.59 |

## STATEMENT OF OPERATING EXPENSES, EARNED INCOME AND NET OPERATING SURPLUS OR DEFICIT ON ACCRUAL BASIS, SCHEDULE B

*For the Twelve Months Ending December 31, 1941*

| | Public Ward | Private Ward | Infirmary Total | Out-Patient Department | Grand Total |
|---|---|---|---|---|---|
| Operating Expenses | $267,522.27 | $77,365.73 | $344,888.00 | $130,010.93 | $474,898.93 |
| *Deduct:* | | | | | |
| Gross Earned Income | 190,235.41 | 80,129.32 | 270,364.73 | 168,049.68 | 438,414.41 |
| (Gross Earned Income represents standard or full rate for all services before giving allowances to patients) | | | | | |
| Excess of Operating Expenses over Gross Earned Income | *77,286.86* | 2,763.59 | *74,523.27* | 38,038.75 | *36,484.52* |
| *Add:* | | | | | |
| Allowance to Patients | 43,589.31 | 95.07 | 43,684.38 | 36,757.44 | 80,441.82 |
| Excess of Operating Expenses over Net Earned Income | *120,876.17* | 2,668.52 | *118,207.65* | 1,281.31 | *116,926.34* |
| *Add:* | | | | | |
| Patients' Accounts Considered Uncollectible and Charged Off | 14,239.36 | 26,75 | 14,266.11 | .......... | 14,266.11* |
| | *$135,115.53* | $2,641.77 | *$132,473.76* | $1,281.31 | *$131,192.45* |
| *(This does not refer necessarily to patients discharged this month—may be from previous months.) | | | | | |
| *Deduct:* | | | | | |
| Collections on Old Accounts Previously Charged Off | 137.32 | .......... | 137.32 | .......... | 137.32 |
| Discounts Received | 2,401.67 | .......... | 2,401.67 | .......... | 2,401.67 |
| Net Operating Surplus or *Deficit* | *$132,576.54* | $2,641.77 | *$129,934.77* | $1,281.31 | *$128,653.46* |

The income and expenditures for the year ended December 31, 1940 (page 40), are stated upon the basis of actual receipts and disbursements, whereas the corresponding items for the year 1941 are stated upon the accrual basis, as explained in the note to the income account for the year ended December 31, 1941, (page 17).

# Director's Financial Statement January 1, 1940 through December 31, 1940

## Statement of Cash Receipts and Disbursements

| Salaries and Wages | Total | Infirmary | Out-Patient Department |
|---|---|---|---|
| Administration, Officers, Clerks, Messengers | $31,769.91 | $24,038.92 | $7,730.99 |
| Telephone | 1,513.88 | 1,294.11 | 219.77 |
| Dietary, Kitchen and Serving Room | 20,503.89 | 20,212.74 | 291.15 |
| Household and Property: | | | |
| Housekeeping | 2,608.80 | 2,608.80 | .......... |
| Cleaners and Maids | 15,638.38 | 10,471.59 | 5,166.79 |
| Laundry | 6,308.89 | 6,308.89 | .......... |
| Maintenance and Repair | 13,957.98 | 13,138.13 | 819.85 |
| Store | 2,143.86 | 2,143.86 | .......... |
| Professional Services: | | | |
| Physicians and Surgeons | 9,274.00 | 9,274.00 | .......... |
| Opticians | 6,264.49 | .......... | 6,264.49 |
| Refractionists | 10,967.10 | .......... | 10,967.10 |
| Nursing, Superintendent and Assistants | 4,056.90 | 4,056.90 | .......... |
| Graduate Nurses | 45,630.42 | 41,216.86 | 4,413.56 |
| Post Graduates and Pupils | 563.90 | 563.90 | .......... |
| Attendants and Ward Maids | 12,873.96 | 12,873.96 | .......... |
| Orderlies | 14,303.56 | 13,783.93 | 519.63 |
| Nurses' Home, Maids and Matrons | 2,820.26 | 2,820.26 | .......... |
| Medical Records and Library | 11,309.80 | 6,279.79 | 5,030.01 |
| Social Service | 14,070.75 | 14,070.75 | .......... |
| X-Ray Operators and Clerks | 7,626.93 | 7,626.93 | .......... |
| Laboratories | 7,431.70 | 7,431.70 | .......... |
| Apothecary | 4,752.81 | 1,875.67 | 2,877.14 |
| Occupational Therapy, Kindergarten Workers | 3,429.18 | 3,429.18 | .......... |
| Total | $249,821.35 | $205,520.87 | $44,300.48 |
| Special Nurses, Private | 16,762.25 | 16,762.25 | .......... |
| Special Nurses, Wards | 4,990.50 | 4,990.50 | .......... |
| Total Salaries and Wages | $271,574.10 | $227,273.62 | $44,300.48 |
| **Supplies** | | | |
| Administration, Office, Telephone, Insurance | $14,495.08 | $13,080.25 | $1,414.83 |
| Dietary, Food | 52,131.58 | 47,719.08 | 4,412.50 |
| Other Expenses | 1,115.06 | 1,115.06 | .......... |
| Household and Property: | | | |
| Housekeeping | 10,438.05 | 9,581.29 | 856.76 |
| Laundry | 1,731.67 | 1,499.26 | 232.41 |
| Heat, Light, Power, Water—Hospital | 18,154.12 | 14,597.80 | 3,556.32 |
| Maintenance and Repairs | 7,291.01 | 6,212.12 | 1,078.89 |
| Professional Services: | | | |
| Medical and Surgical Supplies | 47,867.15 | 26,332.94 | 21,534.21 |
| Optical Supplies | 22,426.89 | .......... | 22,426.89 |
| Medical Records | 2,040.73 | 1,091.34 | 949.39 |
| Social Service | 2,901.36 | .......... | 2,901.36 |
| X-Ray | 3,745.50 | 3,745.50 | .......... |
| Laboratories | 1,667.83 | 1,667.83 | .......... |
| Heat, Light, Power, Water—Nurses' Home | 2,736.16 | 2,736.16 | .......... |
| Uniforms—House Officers, Attendants, etc. | 756.90 | 408.36 | 348.54 |
| Carrying Charge Out-Patient Department | 14,093.54 | .......... | 14,093.54 |
| Miscellaneous | 2,838.16 | 2,838.16 | .......... |
| Total Supplies | $206,430.79 | $132,625.15 | $73,805.64 |
| **Receipts** | | | |
| Board, Private Patients | $53,320.96 | $53,320.96 | .......... |
| Operating Room, Private Patients | 13,082.75 | 13,082.75 | .......... |
| X-Rays, Private Patients | 2,704.00 | 2,704.00 | .......... |
| Laboratories, Private Patients | 3,030.50 | 3,030.50 | .......... |
| Miscellaneous, Private Patients | 262.93 | 262.93 | .......... |
| Board, Ward Patients | 96,660.05 | 96,660.05 | .......... |
| Operating Room, Ward Patients | 18,780.43 | 18,780.43 | .......... |
| X-Rays, Ward Patients | 17,775.18 | 6,463.51 | $11,311.67 |
| Laboratories, Ward Patients | 4,375.10 | 4,375.10 | |
| Miscellaneous, Ward Patients | 352.75 | 352.75 | |
| Admissions, Out-Patient Department | 32,028.98 | | 32,028.98 |
| Refractions, Out-Patient Department | 10,319.50 | | 10,319.50 |
| Optical, Out-Patient Department | 56,708.78 | | 56,708.78 |
| Operating Rooms, Out-Patient Department | 2,144.40 | | 2,144.40 |
| Apothecary | 19,327.62 | 2,664.71 | 16,662.91 |
| Miscellaneous | 6,163.96 | 3,110.68 | 3,053.28 |
| Emergency Ward | 2,733.64 | 2,733.64 | |
| Clinical Records | 711.51 | 547.66 | 163.85 |
| Total | $340,483.04 | $208,089.67 | $132,393.37 |
| Special Nurses, Private | 18,128.70 | 18,128.70 | .......... |
| Special Nurses, Wards | 4,237.90 | 4,237.90 | .......... |
| Total Hospital Receipts | $362,849.64 | $230,456.27 | $132,393.37 |

### SUMMARY—12 MONTHS

| | | | |
|---|---|---|---|
| Salaries and Wages | $271,574.10 | Total Hospital Expenses | $478,004.89 |
| Supplies | 206,430.79 | Total Hospital Receipts | 362,849.64 |
| Total Maintenance Expenses | $478,004.89 | Excess Expenses over Receipts | $115,155.25 |

## COMPARATIVE STATEMENT OF CASH RECEIPTS AND DISBURSEMENTS

*For the Twelve Months Ending December 31, 1941 and 1940*

| | Twelve Months Ending Dec. 31, 1941 | | | Twelve Months Ending Dec. 31, 1940 | | |
|---|---|---|---|---|---|---|
| | Total | Infirmary | Out-Patient Department | Total | Infirmary | Out-Patient Department |
| Cash on Hand January 1 | $16,522.43 | $16,522.43 | .......... | $16,552.68 | $16,552.68 | .......... |
| *Add:* | | | | | | |
| Receipts: | | | | | | |
| Private Ward Patients | 101,000.27 | 101,000.27 | .......... | 90,529.84 | 90,529.84 | .......... |
| Public Ward Patients | 286,102.33 | 154,462.83 | $131,639.50 | 272,319.80 | 139,926.43 | $132,393.37 |
| | $387,102.60 | $255,463.10 | $131,639.50 | $362,849.64 | $230,456.27 | $132,393.37 |
| *Less:* Refunds to Patients | 8,975.64 | 8,975.64 | .......... | 00 | 00 | .......... |
| | $378,126.96 | $246,487.46 | $131,639.50 | $362,849.64 | $230,456.27 | $132,393.37 |
| Treasurer | 124,685.00 | 124,685.00 | .......... | 115,125.00 | 115,125.00 | .......... |
| | $502,811.96 | $371,172.46 | $131,639.50 | $477,974.64 | $345,581.27 | $132,393.37 |
| Total | $519,334.39 | $387,694.89 | $131,639.50 | $494,527.32 | $362,133.95 | $132,393.37 |
| *Deduct:* | | | | | | |
| Disbursements: | | | | | | |
| Salaries | $250,929.66 | $208,258.74 | $42,670.92 | $249,821.35 | $205,520.87 | $44,300.48 |
| Supplies and Expenses | 236,067.21 | 162,320.38 | 73,746.83 | 206,430.79 | 132,625.15 | 73,805.64 |
| | $486,996.87 | $370,579.12 | $116,417.75 | $456,252.14 | $338,146.02 | $118,106.12 |
| *Less:* Refunds to Patients | 8,975.64 | 8,975.64 | .......... | 00 | 00 | .......... |
| | $478,021.23 | $361,603.48 | $116,417.75 | $456,252.14 | $338,146.02 | $118,106.12 |
| *Add:* Salaries—Special Nurses | 24,809.00 | 24,809.00 | .......... | 21,752.75 | 21,752.75 | .......... |
| | $502,830.23 | $386,412.48 | $116,417.75 | $478,004.89 | $359,898.77 | $118,106.12 |
| Cash on Hand December 31 | $16,504.16 | .......... | .......... | $16,522.43 | .......... | .......... |

### EXCESS OF HOSPITAL DISBURSEMENTS OVER HOSPITAL RECEIPTS FOR THE TWELVE MONTHS ENDING DECEMBER 31, 1941 AND 1940

| | | | | | | |
|---|---|---|---|---|---|---|
| Cash Disbursements, less refunds to patients (as shown above) | $502,830.23 | $386,412.48 | $116,417.75 | $478,004.89 | $359,898.77 | $118,106.12 |
| Cash Receipts, less refunds to patients (as shown above) | 378,126.96 | 246,487.46 | 131,639.50 | 362,849.64 | 230,456.27 | 132,393.37 |
| Excess of Cash Disbursements over Cash Receipts | *$124,703.27* | *$139,925.02* | $15,221.75 | *$115,155.25* | *$129,442.50* | $14,287.25 |

Note: Receipts from Special Nurses not kept for the first four months.

## STATISTICS

*January 1, 1941 to January 1, 1942*

| Number of Patients: | *In Ward* *Jan. 1, 1941* | *Admitted* | *Treated* | *Remaining* *Dec. 31, 1941* |
|---|---|---|---|---|
| Public Wards: | | | | |
| Eye | 46 | 2,002 | 2,048 | 50 |
| Ear | 17 | 415 | 432 | 4 |
| Nose and Throat | 23 | 2,683 | 2,706 | 20 |
| Total | 86 | 5,100 | 5,186 | 74 |
| Private Ward: | | | | |
| Eye | 14 | 781 | 795 | 20 |
| Ear | 9 | 85 | 94 | 1 |
| Nose and Throat | 3 | 736 | 739 | 9 |
| Total | 26 | 1,602 | 1,628 | 30 |
| Total Public and Private Wards 1941 | 112 | 6,702 | 6,814 | 104 |
| Total Public and Private Wards 1940 | 119 | 7,042 | 7,161 | 112 |

| | *1941* | *1940* |
|---|---|---|
| Number of days board furnished free Public Wards | 14,435 | 13,999 |
| Number of days board paid at full rate Public Wards | 25,502 | 28,017 |
| | 39,937 | 42,016 |
| Number of days board paid in Private Ward | 10,832 | 10,669 |
| Total number of patient's days | 50,769 | 52,685 |
| Average number of patients treated daily in Public Wards | 109 | 114 |
| Average number of patients treated daily in Private Ward | 29 | 29 |
| Average number of total patients treated daily | 138 | 143 |
| Average number of days patients remained in Public Ward | 7+ | 7+ |
| Average number of days patients remained in Private Ward | 6+ | 6+ |

## OPERATIONS

| | | *1941* | *1940* |
|---|---|---|---|
| Public Ward: | Eye | 1,841 | 2,046 |
| | Ear, Nose and Throat | 3,205 | 3,254 |
| Private Ward: | Eye | 765 | 724 |
| | Ear, Nose and Throat | 639 | 714 |
| | Total | 6,450 | 6,738 |

### *Per Capita Costs and Earnings per Day*

| COSTS: | *1941* | *1940* |
|---|---|---|
| Not including special nurses, Public Wards | $6.70 | not kept |
| Not including special nurses, Private Ward | 7.14 | " " |
| Not including special nurses, Public and Private Wards | 6.78 | 6.11 |
| Of food all persons | .45 | .42 |
| EARNINGS: | *Earnings* | *Receipts* |
| Not including special nurses, Public Wards | 3.67 | 3.20 |
| Not including special nurses, Private Ward | 7.39 | 6.79 |
| Not including special nurses, Public and Private Wards | 4.46 | 3.93 |
| On special fees, Public Wards (excluding board and special nurses) | 1.04 | .90 |
| On special fees, Private Ward (excluding board and special nurses) | 2.37 | 1.79 |

Public Ward patients were admitted at the following rates: 11 at $35.00; 126 at $28.00; 9 at $24.50; 3,602 at $24.00; 54 at $21.00; 2 at $20.00; 1 at $18.00; 1 at $16.00; 28 at $15.00; 6 at $14.00; 181 at $12.00; 21 at $10.50; 442 at less than $10.50; 616 at Free.

Private Ward patients were admitted at the following rates: 3 at $63.00; 14 at $52.50; 453 at $49.00; 7 at $42.00; 33 at $35.00; 28 at $31.50; 1,058 at $28.00.

### *Condition of Public Ward Patients on Discharge*

| | *1941* | *1940* |
|---|---|---|
| Untreated | 0 | 3 |
| Against Advice | 9 | 15 |
| Died | 19 | 21 |
| Otherwise discharged | 5,082 | 5,352 |
| Autopsies | 29%+ | 40% |

Patients' Days Treatment (Reckoned from discharge payments):

| | *1941* | *1940* | | |
|---|---|---|---|---|
| Paying patients | 46% | 42% | 18,148 | 17,506 |
| Part paying patients | 31% | 34% | 12,981 | 14,453 |
| Free patients | 23% | 24% | 9,282 | 10,092 |
| Total | | | 40,411 | 42,051 |

| Beds: | Public 185 | Private 42 | Total 227 |
|---|---|---|---|
| Occupied 1941 | 59% | 71% | |
| Occupied 1940 | 62% | 68% | |

## OUT-PATIENT DEPARTMENT

| | *New Patients* | *Revisits* | *Total Visits* |
|---|---|---|---|
| Eye | 8,226 | 43,171 | 51,397 |
| Ear | 2,831 | 20,263 | 23,094 |
| Nose and Throat | 2,329 | 12,858 | 15,187 |
| Total 1941 | 13,386 | 76,292 | 89,678 |
| 1940 | 13,557 | 82,793 | 96,350 |

| | *1941* | *1940* |
|---|---|---|
| Daily average | 297 | 318 |
| Patients treated in Emergency Ward | 3,779 | 3,349 |
| Percentage of free visits reckoned from total number of free visits Massachusetts General Hospital and Massachusetts Eye and Ear Infirmary combined Out-Patient Department | *26%* | **29.8%* |

(*Welfare and Board of Health cases not included)

## INVENTORIES

| | *Jan. 1, 1942* | *Jan. 1, 1941* |
|---|---|---|
| Administration | $ 719.66 | $ 1,538.12 |
| Maintenance | 161.03 | 139.88 |
| Housekeeping | 4,739.60 | 3,243.89 |
| Canned Goods, Groceries, etc. | 3,135.01 | 1,305.31 |
| Medical and Surgical | 1,204.44 | 527.87 |
| X-Ray | 107.80 | 184.06 |
| Sewing Room Supplies | 850.30 | not kept |
| Inventory of Forms | 1,161.98 | " " |
| Inventory of X-Ray films | 132.33 | " " |
| Inventory of items in storeroom and not on perpetual inventory | 260.63 | " " |
| Optical Department | 3,940.69 | 3,734.37 |
| Inventory of materials purchased by the Infirmary and held by Pharmacist in O.P.D. Unit Pharmacy | 1,318.78 | not kept |
| Total | $17,732.25 | $10,673.50 |

# Report of the Gardner Building

THE GARDNER BUILDING, a gift of George A. Gardner, was established in 1899 for the treatment of contagious diseases of the eye. Patients suffering from infectious diseases of the ear, nose and throat as well as of the eye, are cared for here.

The following report gives a very good idea of the work done in caring for these patients, many of whom owe their eyesight to the excellent nursing care given by nurses trained in this specialty.

There were 277 patients treated during the year. The Ear, Nose and Throat Service admitted 151 patients, the greatest number for acute infectious diseases. The Eye Service admitted 126 patients. Of this number 11 were admitted with a diagnosis of trachoma; 3 babies with gonorrheal ophthalmia neonatorum; 39 babies with non-gonorrheal ophthalmia neonatorum; 6 adults with gonorrheal conjunctivitis and 14 adults with non-gonorrheal conjunctivitis. Of these 73 patients, 3 had impaired vision at the time of their discharge from the Infirmary. The remaining 53 were treated for other infectious diseases of the eyes, eye-lids and adnexa.

There were 22 patients transferred to Gardner Building with various infectious diseases which manifested themselves in the general wards of the Infirmary.

The table below shows the work of Gardner Ward from 1900.

| | | *Eye Service* | | | | |
|---|---|---|---|---|---|---|
| *Year* | *Trachoma* | *Gonorrheal* | *Non-Gonorrheal* | *Ear, Nose and Throat Service* | *Other Infectious Diseases* | *Total Admissions for Year* |
| 1900 ....... | | | | | | 187 |
| 1905 ....... | 1 | 128 | 26 | 19 | 134 | 308 |
| 1910 ....... | 9 | 123 | 69 | 11 | 66 | 278 |
| 1915 ....... | 2 | 59 | 116 | 7 | 21 | 205 |
| 1920 ....... | 34 | 53 | 57 | 103 | 28 | 275 |
| 1925 ....... | 31 | 50 | 94 | 91 | 38 | 304 |
| 1930 ....... | 30 | 25 | 66 | 161 | 34 | 316 |
| 1935 ....... | 19 | 15 | 82 | 126 | 25 | 267 |
| 1936 ....... | 22 | 27 | 79 | 162 | 13 | 303 |
| 1937 ....... | 14 | 24 | 92 | 183 | 26 | 339 |
| 1938 ....... | 21 | 18 | 103 | 137 | 38 | 317 |
| 1939 ....... | 23 | 11 | 80 | 125 | 65 | 304 |
| 1940 ....... | 16 | 13 | 47 | 152 | 68 | 296 |
| 1941 ....... | 11 | 9 | 53 | 151 | 53 | 277 |

# Report of the Nursing Department

*Census of the Nursing Personnel:*

| | |
|---|---|
| Assistant to the Superintendent of Nurses | 1 |
| Supervisor | 1 |
| Instructor | 1 |
| Night Supervisor | 1 |
| Assistant Night Supervisor | 1 |
| Operating Room Supervisor | 1 |
| Operating Room Head Nurses | 5 |
| Chief Nurse Anesthetist | 1 |
| Assistant Nurse Anesthetists | 2 |
| Ward Head Nurses | 6 |
| Assistant Head Nurses on Ward | 5 |
| Out-Patient Head Nurses | 3 |
| General Duty Graduates, day and night | 18 |
| Post-Graduate student nurses | 0 |
| Affiliated student nurses | 12 |
| Total | 58 |
| Attendants | 20 |
| Orderlies | 13 |

THIS year the eight post-graduate students included a man graduate nurse from the McLean Hospital School of Nursing. Immediately upon completion of the course he secured a position in the First Aid Room of the United Air Craft Company in East Hartford, Connecticut.

This year the number of affiliated students increased from 66 to 69. The Cambridge Hospital School of Nursing opened an affiliation and sent two students. While the Simmons College School of Nursing has not opened an affiliation they did send one student who needed to adjust her schedule interrupted by illness.

In July a change in the schedule of the night duty nurses was authorized: from 7 to 7 with 2½ hours off to a continuous period from 11 to 7. This change necessitated the addition of three floor duty nurses. The change has been made on only two floors as it has not been possible to secure the additional nurse.

With the introduction of chemotherapy and of the Humidifying Chamber as an aid in the care of patients with respiratory diseases, the students are having experience in these newer nursing procedures. Miss Marie Scherer, Instructor, has returned after a year's leave of absence during which time she received the B.S. degree from Boston University. Miss Scherer is making certain changes in the curriculum and in the clinical experience. She is revising "A Text Book on Eye, Ear, Nose and Throat Nursing" by Denison and Eklund. Both of these authors were instructors at the Infirmary.

Several years of continuous good service give stability to any institution and therefore we are sorry to see the termination of six such services. Mrs. John McEntee (Mary Farley) had been with us 14 years—6 on night duty and 8 on day duty. She is giving full time to her home. Miss Henrietta Olsen had been on continuous night duty for 13 years—7 in charge of a floor and 6 as Night Supervisor. Although she has left the nursing service she continues to serve the Infirmary, as she is Executive Assistant. Miss Mary Timlin had been Assistant Head Nurse in the Private Ward for 9 years. She certainly is prepared for the private duty field she has now entered. Miss Ruth Harris left to be married after 5 years in the Private Nose and Throat Operating Room. Miss Bertha Coskie, who for over 5 years had been Head Nurse on various wards, resigned early in the year to accept a position as Instructor at the New Hampshire Memorial Hospital. Mrs. Thaddeus Gontarski (Mary Pieniazek), after 5 years of service in the Nose and Throat Operating Room, resigned to be at home.

The position of Night Supervisor is filled by Miss Ruth Adie, a graduate of the Massachusetts General Hospital School of Nursing; she has had many years of excellent administrative experience. It is a satisfaction to report that all of the other vacancies were filled by promotion from the General Staff of nurses.

An efficient Matron contributes much to the comfortable living in a Nurses' Residence. Therefore it was with regret that the nurses learned of the resignation of Mrs. Gertrude Bickum, after five years of satisfactory service.

The Ladies' Visiting Committee has always been very generous. For years they have given equipment to the wards, furniture, magazines, newspapers and also party supplies to the Nurses' Residence. This year they have given personal service on the wards. One member comes every week-day morning to help with such tasks as caring for patients' flowers and fruit, filling fluid pitchers, distributing mail, and feeding the patients.

On November 16, 1941, the first group of Red Cross Volunteer Nurses' Aides began work at the Infirmary, which is just the kind of an institution in which aides can be especially helpful. These young women assist with the admission and discharge of patients, chaperone to clinics, make supplies, make beds, comb hair, give baths, feed patients, read mail and newspapers, and in other ways make themselves generally useful. The presence of these workers brings a new interest to the patients who need somebody new and something new. Too often their interests are limited because of defective sight and hearing.

It is with considerable pride that we report the entrance of four Massachusetts Eye and Ear Infirmary nurses into the service of their country. The School of Nursing must share with the Administrative Department the honor which one member has conferred upon us, as Miss Walborg Peterson went from the position of Executive Assistant to join the American Red Cross–Harvard Field Hospital Unit in Salisbury, England. Miss Sybil Beatham of the Anesthesia Staff and Miss Virginia Holmes and Miss Ida A. Chernes of the General Nursing Staff have joined the Army Nurse Corps.

We greatly admire the courage of these young women for accepting this national service and we send them forth with our good wishes.

SALLY JOHNSON, R.N.,
*Superintendent of Nurses.*

# Report of the Medical Social Service Department

Following the study of the Social Service Department made in the fall and winter of 1940 and 1941, the Social Service Advisory Committee discussed and accepted the report in principle. Some of the suggestions made have already gone into effect. In brief the study showed there was opportunity for the practice of medical social service of the best quality throughout the services in the Infirmary. Due to a change in the type of problem presenting itself to the department in the past few years, the work has been going through a period of transition.

For a number of years after the department's organization, the emphasis in social service was upon prevention of blindness and deafness through medical follow-up of diseases leading to severe handicaps. While this side of the work is still an important aspect, the public health programs, local and state, have taken over much of the follow-up related to syphilis, gonorrhea and tuberculosis which formerly constituted a bulk of the work of the Social Service Department.

The main contribution of the social worker at present seems to lie in the direction of more social treatment of the individual patient in relation to his illness or handicap. There is evidence that very little has been done here in comparison with many other hospitals in dealing with the emotional factors which are prevalent in chronic diseases of any type; acute illness and surgical procedures in this hospital are of special significance to patients due to their underlying fears of visual and hearing loss. Steps have already been taken to work out closer relationships and more uniform practices between this hospital and the Massachusetts General Hospital Social Service Department, based on observations in the study.

In 1941 the Social Service Department served 3,168 different patients in some capacity. Five hundred and twenty-five of these patients were children under 13 years of age. These children were exclusive of the several hundred served in our follow-up program. The services to the patients are divided as follows:

| | |
|---|---|
| A. Medical social treatment | 859 |
| B. Financial service only | 779 |
| C. Unrecorded services | 1,530 |

3168

Referrals from the Services

| | |
|---|---|
| A. Medical social treatment | |
| 1. Eye Clinic | 426 |
| 2. Ear, nose and throat clinic | 268 |
| 3. Gardner Ward | 18 |
| 4. Other wards services | 187 |
| B. Financial services only | |
| 1. Primarily from Eye Clinic for glasses | 779 |
| C. Unrecorded services | |
| 1. Eye Clinic | 750 |
| 2. Ear, nose and throat clinic | 412 |
| 3. Gardner Ward | 39 |
| 4. Other wards | 368 |

There was some decrease in the total number of patients in 1941 but considerable increase in the number of patients receiving social treatment and fewer patients receiving unrecorded services. There was a decrease in both the number of patients for whom glasses were provided and in the funds expended.

In view of the number of referrals on the Ear Service an additional social worker has been employed in the Ear Clinic to handle the social adjustment of children and young adults who are being studied by the Winthrop Foundation in relation to their problems of hearing loss. A new appointment has been made in the Eye Social Service to fill the vacancy created by the resignation of Miss Helen Midelfart in 1940. A new appointment has been made for the ward social work and the previous ward worker is heading up the follow-up program in both the Eye and Ear Clinics.

New staff appointments include Miss Lucille P. Radlo, M.S., and Miss Dorothy A. Sutherland, M.S., both from the 1941 class of the Simmons College School of Social Work; also Mrs. Cecelia Lowis, B.S., of the Simmons College School of Social Work, who was formerly with the Boston Family Welfare Society.

### *Eye Service*

With an additional worker on the Eye Service during the past six months, it has been possible to cover the social problems more adequately than during the first six months of the year. Some change has been made in the handling of patients by having one social worker available to cover the daily referrals from the clinic, to decide the extent of service needed. Where there are indications that service will be required over an extended period of time, the clinic worker refers such patients to one of two other workers who are being protected from clinic pressure in order that they may be free to give the necessary time and attention to those patients with more serious social problems. This system has been tried for the past six months and is working out advantageously from the point of view of economy of the social workers' time.

Continued emphasis has been placed upon preparation of patients for the services offered by the Division of the Blind. Our interviews with patients demonstrate repeatedly how much preparation is necessary before patients can use these services. If they are referred before they have accepted their blindness or see the need of the services the Division offers, the patients make no use of the services, such as Braille, home teachers or vocational planning. There is a great problem in finding employment for both the visually handicapped and the blind. The Division of the Blind is our only resource for finding gainful employment and practically none of our patients have been placed in positions enabling them to be self supporting. Although the Defense Program is trying to use handicapped persons wherever possible, little has, as yet, been accomplished in placing the blind.

Referrals to State Divisions of the Blind in and out of Massachusetts in 1941 were 178.

The glaucoma work has had no significant changes. Two hundred and ninety-two new patients with glaucoma were referred this year. One hundred and forty-eight patients received social treatment and the follow-up included 1,053 patients. The social worker again assisted in the selection and notification of patients for the glaucoma class.

Follow-up in the Eye Clinic aside from patients with glaucoma amounted to 505 children, 299 of which were strabismus, and 39 of which were congenital cataracts.

Because of the way in which social service developed at the Infirmary with its main emphasis on prevention of blindness, social service in the past has taken a great deal of responsibility for selection of patients for service. This is still done to some extent in certain diagnostic groups, to review those patients for potential social problems. However, because of the change in the types of problems being handled, it seems a more sound policy to have referrals wherever possible from the doctor in charge of the patient in order that there may be real medical social planning with both physician and social worker having the same ultimate goal for the patient. Patients respond to a social worker's interest more readily if they feel her services are part of the physician's plan for their care rather than an isolated service which is offered. The department, therefore, has selected fewer patients than usual this year, which may account for a decrease in some 200 patients served since 1940. In every case where patients are selected because of obvious problems, the physician is being consulted before social plans for a patient are undertaken.

The referrals to Social Service from the wards are fewer than in the clinics, yet it is impossible for the social worker on the ward to know all patients well enough to select her own patients, even if this were an advisable procedure.

### *Ear Service*

The addition of a social worker on the Ear Service has increased the number of patients handled socially. The Winthrop Foundation Study has brought to light many problems and needs to be met with both the hard of hearing child and his parents. The social worker is trying to carry out the physicians' recommendations in regard to lip reading and hearing aids for many of these children, but to do so a great deal of social planning and interpretation with community agencies is necessary. The idea of hearing aids for school children is not yet widespread and parents are often more resistive to the child's wearing an aid than the child himself. The doctor paves the way for the social worker in advising the patient of his needs but medical tempo is necessarily much faster than a patient's ability to carry out recommendations. Emotional acceptance of a handicap and adjustment to it, is a slow process that the social worker deals with over a considerable period of time.

Hearing aids have been obtained for five children in the past six months and plans have been made for six others. Most of the patients, both adults and children, need financial assistance in obtaining aids and the expense involved is so great that to raise money on a case by case basis is very time consuming. In the Ear Clinic itself 217 adults have been referred to Social Service for aids and our limited funds have made it impossible to provide aids for these patients.

The ear follow-up of children with hearing loss, and medical conditions, including patients with radical mastoids, amounted to 1,093 patients.

The number of patients referred to Guilds for the Hard of Hearing was 93. There were 19 admissions to schools for the deaf. Five hundred and thirty-eight children with hearing loss were reported to schools.

### *Educational activities*

Thirteen Master Students from the Simmons College School of Social Work came to the Infirmary again this year for an institute on medical social implications in relation to problems to hearing loss, deafness, visual handicaps, and blindness.

The department wishes to express its appreciation to the doctors and nurses who participated in the instruction of the students. The department also had visitors for observation of the work of the department from St. Luke's Hospital, New York, and the Firmin desLoge Hospital in St. Louis, Mo.

An hour's instruction with each new class of student nurses continues as part of our regular teaching program.

Lectures have been given by the director on medical social service at the Boston College School of Social Work, at the training course for Red Cross Nurses' Aides and at the training course for volunteers at the hospital; in addition, a paper was read at the Boston Guild for the Hard of Hearing in a symposium held on problems of the Hard of Hearing.

Different members of the staff have attended the National Conference of Social Work, the State Conference of Social Work, the biennial meeting of the National Society for the Prevention of Blindness, and two have served on a committee on Prevention in the Massachusetts Council for the Blind. A seminar is being given by Miss Harriett Bartlett, Educational Director of the Social Service Department at the Massachusetts General Hospital, for workers from both departments who are concerned with problems of the handicapped.

The Ladies' Visiting Committee has continued to be very helpful to the department through its interest and support.

Volunteers have given many hours of faithful service for which we are very grateful.

*Financial Report*

| | |
|---|---|
| Total Medical Relief arranged through Social Service.. | $3,323.43 |
| Total expenditures from Social Service Funds........ | 2,688.73 |
| Funds raised from outside social agencies........ | 634.70 |
| Refunds from patients........................... | 660.48 |
| Total expenditures for glasses and protheses from Social Social Service Funds.............................. | 2,064.75 |
| Other Medical Relief from Social Service Funds (convalescences, transportation, dentured, artificial larynges, etc.)........................................ | 623.98 |

Eunice W. Wilson,
*Director.*

# Report of the Dietary Department

The 1941 Budget provided the Dietary Department with a filing cabinet for records, a dish truck for bringing ward dishes down to the dish machine, and five dozen cups and saucers for the Third Floor to replace the mugs previously used.

The Department now provides uniforms for the Ward Kitchen maids. It has been made possible to have these uniforms ironed as well as washed in the laundry.

A Head Waitress was appointed in the Nurses' Dining Room to assume responsibility for that unit, and thereby a more complete control of small details is possible.

We are grateful to the Ladies' Visiting Committee for five dozen square trays which they provided for use on the Third Floor, to replace the small oval ones previously used.

Miss Frances Botsford resigned her position as Therapeutic Dietitian on December 1, 1941, to accept a position in Pontiac, Michigan. Her position has been filled temporarily by Mrs. Dorothy Jacobs.

During 1941, special diets totaled 5,685, a daily average of 16, including 14 general types.

Instruction of the Massachusetts General Hospital Student Dietitian class of 17 in Administrative and Therapeutic work was carried on throughout the year.

Isabel F. Cook,
*Dietitian.*

# Report of the Occupational Therapy Department

The outstanding event to be noted for the year 1941, is that the department has moved and is finally located under one roof. This is, of course, far more efficient than having the workshop located in the Nurses' Home across the most congested traffic circle in Boston. However, while we now have light and air and it gives us more space than the closet formerly known as the Occupational Therapy office, the total area is not nearly as great as the basement room workshop alone. Consequently the necessity of using so much of the room for supplies and equipment makes it too crowded to enable the patients to come down from the wards to work on the larger shop projects which we had so earnestly looked forward to doing in the "new room".

A further addition to our work has been the inclusion of the Nursery under the jurisdiction of this department starting in September. This is being covered by the Assistant Occupational Therapist, who also has charge of the Patients' Library. It is to be hoped that this arrangement will be a permanent one as it is the most logical.

The Christmas season brought besides the usual preparation of tray favors, wall hangings and other decorations, the additional responsibility of making and hanging the greens for over-door decorations in the rotundas on the four floors as well as obtaining the trees and holders for each of the larger wards. Also during the holiday season we were fortunate in obtaining the talents of Jerry and Sky from WEEI, who gave a "strolling minstrel" performance through all the wards of the hospital. This made everyone—patients and personnel—very happy on that particularly dark, dreary day.

During the year there have been twenty-eight different volunteers who have come in for varying lengths of time. Their energetic efforts have been of great value to the department in filling the many gaps inevitable in such a busy and varied program.

As we look forward at this time our role seems to be more than ever the strengthening and maintenance of morale which have always been fundamental precepts of this profession.

The statistical report follows:

| | *1941* | *1940* |
|---|---|---|
| Daily average number patients seen | 33.3 | 37.6 |
| Total patients for the year | 1,789 | 1,125 |
| Occupational Therapy | 393 | 120 |
| Bibliotherapy | 1,119 | 758 |
| Game Therapy | 277 | 247 |
| Total treatments for the year | 6,462 | 6,067 |
| Occupational Therapy | 2,342 | 1,488 |
| Bibliotherapy | 3,141 | 3,402 |
| Game Therapy | 979 | 1,177 |
| Total volumes circulated | 5,410 | 7,148 |
| Number volunteers for year | 28 | 14 |
| Number Therapists in Department | 2 | 1.5 |
| | | (last third only) |

Helen K. Wade, O.T.R.,
*Director, Occupational Therapy.*

# Report of the Pathological Laboratory

THE routine tissue work of the laboratory has continued as usual. Of the 312 specimens examined, many were of special interest. In one case the presence of melanin was detected in skin tumors of the scalp, metastatic from the eye, by the use of ultra-violet light before and after the biopsy was performed. This diagnosis of metastatic malignant melanoma was confirmed both clinically and pathologically. This examination for fluorescence is an outgrowth of research work with ultra-violet light made possible by the installation of alternating current to the laboratory. Another specimen of malignant melanoma showed the effect of radon seeds implanted in the tumor. An interesting specimen of an unusual retinal tumor is being studied in conjunction with Dr. Kubic. Of the specimens submitted, 51 were malignant, including 35 malignant melanomas, and 2 retinoblastomas. The diagnosis of metastatic carcinoma in one enucleated eye lead to a repeated critical examination of the patient. The source of the carcinoma was finally located in the lung. We have been cooperating with the X-ray department in verifying their localization of foreign bodies in enucleated eyes. Because of the desire to combine all clinical laboratory tests in one laboratory, urinalyses formerly done in this laboratory have been transferred and the time saved is being devoted to follow-up on malignant tumors. During the year 23 patients have been checked on through the Eye Tumor Clinic. These patients present problems that deal essentially with malignancies of the eye. The work of follow-up has permitted close cooperation with the Tumor Clinic of the Massachusetts General Hospital.

The appointment of Dr. Gertrude Baldwin as Assistant in Pathology is a real augmentation to the laboratory staff. She has made preliminary studies of most tissues diagnosed. She also has been making a study of the trichrome stain. Changes in technique have been perfected so that this stain can be combined with the ordinary haemotoxylin and eosin stain. This method results in greater contrast in the appearance of the various structures of the eye, particularly the cornea, the angle of the anterior chamber, the lens, and the lamina cribrosa, and for this reason is advantageous in teaching. Dr. Baldwin is doing further work to develop its diagnostic value routinely.

It has been found that the acid alcohol bath can be omitted from the tissue fixation of the eyes, thus cutting down slightly on the length of time required to fix and embed eyes.

As a better understanding of pathological processes grows, specimens received in the laboratory even 20-30 years ago take on new and varied meaning sufficient that all specimens on hand may be considered as a true investment in future knowledge. Instances of this nature happen so frequently that it is impossible to think of disposing of tissue that has no future value for the individual patient. Because of this and because of the number of people studying in the laboratory at various times, laboratory space is exceedingly cramped. Space for storage of current material is almost completely exhausted. Although this is not the time to ask for a new laboratory the strong need should be recorded.

Dr. Terry has continued his work on malignant melanomas. He has spoken to several groups of the subject, and on December 18 he addressed the Brooklyn Ophthalmological Society on "Further Consideration on Diagnosis and Treatment of Uveal Malignant Melanoma." Last April he gave four lectures during the course at the Gill Memorial Eye, Ear, Nose and Throat.

A more detailed course in embryology, histology, and pathology of the eye has been worked out for the externship. The extern is now examined in each of these subjects as he completes them.

A small, modest reference library on microscopy of the eye is gradually being collected to facilitate study of material available. A number of these books come from postgraduate teaching funds.

Because of the National Emergency, the postgraduate teaching program has been greatly curtailed. The time usually devoted to teaching is being used for a research problem that is supported by a special fund. This research deals with the bilateral fibroblastic overgrowth of persistent tunica vasculosa lentis in infants born extremely prematurely. This involves both study of the normal involutional processes of the hyaloid system and attempts to produce the condition experimentally. Experimental work is being carried out with rabbits, rats, cats, pigs, and opossums. This project has necessitated increasing the laboratory staff and equipment. It has been possible to secure the aid of two trained technicians. We now have an incubator for running through tissue by the "hot celloidin" technique, a dissecting microscope, and a hand slit-lamp for the express purpose of expediting this study. At the present time the experimental work is largely devoted to making reconstructions of TVL as shown in sections of injected fetal pigs. Avitaminosis studies and carbon monoxide poisoning as a part of this study have been started on experimental animals. Although to date the research has not thrown light on the cause of the condition, many interesting points have been observed apparently for the first time.

Theodore L. Terry, M.D.,
*Pathologist.*

# Report of the Howe Laboratory of Ophthalmology

The past year has marked the first contact which the Howe Laboratory has had with a world war, and its research program has been considerably affected by the national emergency. In general there have been two main types of investigation carried on in the Laboratory during 1941: first, a basic study of some physiological properties of the cornea and of the blood aqueous barrier and secondly, a research program dealing with certain visual problems important for national defense. At the same time several other problems dealing with the eye have been and are being carried on by the Howe Laboratory staff and co-workers.

The personnel of the Laboratory has been increased during the past year with the addition of Lieutenant S. Forrest Martin (MC), USNR; Morton Grant, M.D.; Clayton Settino, machinist; and the Misses Cynthia Steitz, Lois Rockwood (replacing Mrs. Carol Sargent), and Mrs. Rosemary Fitzgerald. The additional room acquired by the Laboratory last year has been equipped as a biochemical laboratory.

Studies on several thousand corneas have been conducted by Drs. Cogan and Kinsey with the aim, first of establishing the permeability characteristics of the cornea under normal and pathologic conditions and secondly of determining the hydration properties of the corneal substance from the anatomo-physiologic point of view. The result has been an entirely new concept of corneal permeability and an elucidation of the unique mechanism by which the cornea is normally maintained in a state of deturgescence and transparency. The reports of this work are to be published shortly in the Archives of Ophthalmology.

Investigations on the blood aqueous barrier with the use of heavy water and artificially radioactive elements have been carried out by Drs. Kinsey, Grant and Cogan with the assistance of the Harvard Research Laboratory in Physics. This is the first time that "tracer" elements have been employed in a study of ocular fluid dynamics and the results are considerably different than had been anticipated prior to the availability of these elements. Preliminary reports are to appear in the Archives of Ophthalmology in the near future. It is hoped to extend these investigations on the normal eye to a similar study of fluid interchange in glaucoma and in other pathologic states.

The investigations in the Howe Laboratory pertaining to national defense have been under the supervision of Dr. Ludvigh assisted by Dr. Martin. They have received a confidential rating and are being carried out in conjunction with, and largely supported by, the National Defense Research Committee. Considerable expansion is anticipated.

Drs. T. Gundersen and S. Liebman have recently made a study on the comparative effects of various local anesthetics on the regenerating corneal epithelium. A report is in preparation. The penetration of various sulphonamide compounds into the eye was investigated during the past year by Drs. S. Liebman and E. Newman. Their results are reported in the September issue of the Archives of Ophthalmology. Dr. King has continued his studies in the Bacteriology Laboratory on sarcoid and on the chick embryo technique for culturing viruses.

Reports of the above work have been made at various meetings. Noteworthy is the March meeting of the New England Ophthalmological Society when the entire evening was devoted to reports from the Howe Laboratory, and the annual Ophthalmic Research Group meeting in December when the staffs of the Howe and Pathology Laboratories were hosts at an all day meeting of ophthalmologic investigators from various Eastern laboratories.

Through the solicitation of Dr. Edwin B. Dunphy a fundus camera has been obtained for the Infirmary and is being currently used in the Howe Laboratory. A permanent camera for external eye pictures is also being set up in the Laboratory and it is hoped that the two will provide adequate equipment for all ordinary clinical photography of the eye. A small library of motion picture films is also being made to illustrate unusual anomalies of eye movements.

The publications by the Howe Laboratory staff are listed in another section of this Annual Report. This does not represent articles which have been submitted during the past year, as publications in the ophthalmologic journals usually appear 8 months to a year after having been submitted. A prospective book by Dr. Ludvigh entitled "Introduction to Ophthalmic Optics" has been accepted for publication in the Harvard Monograph Series.

Reprints of the available publications by the staff of the Howe Laboratory since its founding have been collected and bound in Volume I of the Howe Laboratory Publications. This first volume covers the period 1931-1940. Copies have been presented to the Harvard Medical Library and to a few ophthalmic libraries.

During the past year Dr. Cogan was appointed to the Editorial Board of the Archives of Ophthalmology.

David G. Cogan, MD.,
*Acting Director.*

## Report of the Department of Ophthalmology

After completing my first full year as Head of the Ophthalmological Department, I wish to pay tribute to the loyalty and cooperation of the Staff. Their help and support has made the task much easier. During the past year some important changes have taken place. Five of our visiting men have been called into active service with the armed forces and there is a prospect of several more going before long. These five have been granted leaves of absence:

| | | |
|---|---|---|
| Dr. Virgil G. Casten | Lieut. Commander | Med. Corps, U. S. N. R. |
| Dr. S. Forrest Martin | Lieutenant | Med. Corps, U. S. N. R. |
| Dr. H. Frederick Stephens | Lieutenant (J.G.) | Med. Corps, U. S. N. R. |
| Dr. Thomas Cavanaugh | Captain | Med. Corps, U. S. Army |
| Dr. Earl S. Searle | 1st Lieutenant | Med. Corps, U. S. Army |

The House Officer Staff was also depleted by the call to service of the following reserve officers:

| | | |
|---|---|---|
| Dr. Joseph M. Clough | 1st Lieutenant | U. S. Army |
| Dr. Donald O. Howard | 1st Lieutenant | U. S. Army |
| Dr. Michael O'Connor | 1st Lieutenant | U. S. Army |

It was necessary to move men up to fill their places, thereby shortening their period of training here. The future presents a difficult problem of obtaining enough house officers to fill our needs. Every effort is being made to convince the military authorities that some of these young men must be allowed to continue their training. On the other hand, we have been forced to cut down this period of training from 27 to 21 months, and perhaps in the near future to 18 months, in order to turn out men faster.

Due to the kind cooperation of Dr. Schall, most of the routine blood counts are now done by the Mosher laboratory technicians instead of the house officers. Dr. Schall has made this service available to the ophthalmological department as well as his own.

The House Officer instruction program has been amplified and improved. This year lectures on aviation ophthalmology have been introduced, and more talks on refraction and ocular motility will take place.

The fundus camera installed early in the year has been gradually put in working order and we are now collecting a library of colored photographs of the retina.

The Eye Clinic continues to be as busy as ever. This year the total number of out-patient visits is 51,397. Under the direction of Dr. Garrett L. Sullivan the Perimetry room completed 2,035 field examinations. It is here that the House Officers receive their instruction in field taking. The Vision room, with Dr. Julian F. Chisholm, Jr., in charge, accounted for 14,608 refractions.

Due to the generosity of Montgomery-Frost Company we have now acquired an eikonometer for the investigation of aniseikonia. Dr. Mahlon T. Easton has taken the course at the Dartmouth Eye Institute and will be in charge of this new department. It is planned to offer a consultation service to New England Ophthalmologists so that they may send certain of their patients here for measurement and possible prescription of this specialized type of lens.

During the coming year it is hoped that we can establish an orthoptic department for the diagnosis and treatment of some disturbances of ocular motility.

EDWIN B. DUNPHY, M.D.,
*Chief of Ophthalmology.*

# Report of the Department of Oto-Laryngology

I HAVE the honor to submit my third annual report.

In spite of the demands made on the hospital staff by the national emergency, the departments of otology and laryngology have functioned effectively. We are pleased to report that Drs. Charles I. Johnson, Charles H. Allman, David P. Cordray and Donald H. MacDonald are on duty with the U. S. Navy; that Dr. John R. Frazee has been assigned to the Massachusetts General Hospital Unit, Dr. Robert G. Snow is with the Harvard Medical Unit, Dr. Joseph M. Clough, a graduate of the Oto-laryngological Service in 1939 is with the U. S. Army and Dr. Clair M. Kos has recently been appointed to the Faculty of The School of Aviation Medicine at Randolph Field.

Dr. Kenneth Kazanjian and Dr. Harold J. Sternstein have been appointed as Clinical Assistants. Dr. Samuel Cline's resignation has been accepted.

In the death of Dr. George H. Wright, for so many years in charge of the Dental Clinic, the Infirmary has lost one of its most loyal supporters. His interest in the Infirmary was quietly shown in many ways. He attended our meetings, entered the discussions, and contributed to our scientific knowledge. He was generous with both his time and his money. The humidified room, and the chairs for the staff meetings, are but two monuments of his generosity.

The Infirmary can be proud of both the Mosher and the Bacteriology Laboratory. The equipment is of the best and the results justify and do justice to the equipment.

With Mr. Thomas Blake in charge, and with Miss Frances Irving and Miss Margaret Connors as technicians, the laboratory work has gone very smoothly. In November Miss Erna Koss resigned to accept a responsible laboratory position in New York.

During the past year 13,457 laboratory examinations were made, an increase over 1940 of 8,041 examinations. Working with Dr. Lurie for the National Research Council are Miss Margaret Bennett and Miss Dorothy Linden. Their investigations are of great value to the Council and their work is to continue through the coming year.

The Winthrop Foundation has continued its study of deafness, particular attention being given to deafness in pre-school and school children. The rehabilitation of many of these children changes their whole life's prospects, and makes this project well worth while. The study of, and the selection of cases suitable for the fenestration operation, and the evaluation of the post-operative results, is being done by the Winthrop Foundation Committee. In five years, when this study is completed, this report should go a long way in settling the question as to the value of the fenestration operation in selected cases for the improvement of hearing. A Trust Fund of $25,000.00 was obtained from the Paul Wilde Jackson Trust, the income to be used for the benefit of children handicapped by hearing loss.

The Infirmary continues to attract good men who wish to have their special training here.

The Province of Quebec has granted scholarships to Dr. Charles Berthiaume of Montreal and Dr. Gaston Duclos of Quebec for a year's postgraduate study at the Infirmary. Dr. John J. Ballenger and Dr. Donald K. Lewis are completing their year's work in the laboratories before entering upon their residencies.

The closure of the Huntington Hospital and the transferring of their patients to our Tumor Clinic has thrown increased work upon the Tumor Clinic personnel. In anticipation of this change, we were fortunate in securing Dr. Carl H. Ernlund, an oto-laryngological graduate in 1927, to accept an appointment as an Associate Surgeon, to be assigned to the Tumor Clinic. His wide experience and thorough knowledge of cancer strengthens our hospital.

The Bronchoscopic Service, under Dr. Lyman G. Richards, has functioned smoothly. The cooperation between the various other services has been wholehearted and pleasant. Many of the foreign body problems have been exceptionally difficult.

The Wednesday staff meetings and the Friday Night meetings at the Harvard Medical School continue to be well attended. These meetings not only present the scientific side of medicine, but are invaluable in educating our residents to think and "speak on their feet."

Dry clinics were held on three afternoons for the American College of Surgeons. These meetings were well attended and the presentations by our staff were not only well received but favorable comments on the high character of the presentations have reached me from many sections of the country.

Our staff continues to be in demand for papers before national societies. Dr. Charles T. Porter presented a paper on chemotherapy before the American Academy of Ophthalmology and Otolaryngology. Dr. Charles I. Johnson spoke on Meniere's Disease, before the New England Otological and Laryngological Society; Drs. Richardson, Porter and Richards have presented topics for the Post-Graduate Course of the Massachusetts Medical Society. Dr. M. H. Lurie was the guest speaker of the annual meeting of the Pacific Coast Oto-Ophthalmological Society.

Dr. Schall served as Chairman of the Section of Otology, Rhinology and Laryngology of the American Medical Association, and in December gave The Mullin Memorial Address at Cleveland. He was also guest speaker before The Roanoke Academy of Medicine at Roanoke, Va.; the Connecticut State Medical Society and the Section on Otolaryngology of the Connecticut State Medical Society at Bridgeport, Conn.

Respectfully submitted,

LeRoy A. Schall, M.D.,
*Chief of Otology and Laryngology.*

# Report of the X-Ray Department

THE decrease in the number of acute upper respiratory infections and the disease of childhood in the last few years is beginning to be reflected in the amount of work in the X-Ray Department. Tuberculosis of the mastoid, which was not infrequent, is now a rarity. The clinic class of patient does not benefit by early diagnosis and specific chemotherapy, so that there is not the expected drop in infections of the mastoid and the resulting complications.

Tabulation of cases is as follows:

| | | |
|---|---|---|
| Thymus | 1,419 | |
| Mastoids | 1,138 | |
| Sinuses | 2,209 | |
| Teeth | 438 | |
| Foreign Body eye | 167 | |
| Chest | 518 | |
| Esophagus | 264 | |
| Skull | 90 | |
| Jaws | 137 | |
| Nose | 112 | |
| Treatments | 712 | |
| Sella turcica | 7 | |
| Lipiodol injections | 27 | |
| Cervical spine | 201 | |
| Miscellaneous | 42 | |
| Petrous | 32 | |
| Optic canals | 11 | |
| Bronchoscopy | 3 | |
| Long bones | 8 | |
| Abdomen | 39 | |
| Number of examinations | 7,574 | |
| Number of patients | 6,954 | |
| Bouginage | | |
| Number of treatments | 547 | |
| Number of patients | 103 | |
| Total number of examinations for year | | 8,121 |
| Total number of patients for year | | 7,057 |

A. S. MACMILLAN, M.D.,
*Roentgenologist.*

# Graduate House Officers
# Scientific Papers Published or Read
## by the Staff

January 1, 1941 to January 1, 1942

### DEPARTMENT OF OPHTHALMOLOGY

"Occlusion Hypertropia." By F. H. Verhoeff, M.D. *Archives of Ophthalmology,* May 1941, Vol. 25, pp. 780-795.

"Moore's Subjective 'Lightning Streaks.'" By F. H. Verhoeff, M.D. (In press.)

"A Color Stereoscopic Phenomenon." By F. H. Verhoeff, M.D. *Archives of Ophthalmology,* November 1941, Vol. 26, p. 914.

"Cyclodiathermy." By Edwin B. Dunphy, M.D. and C. H. Albaugh, M.D. Read before the meeting of the American Ophthalmological Society, Hot Springs, Virginia, June 1941.

"Glaucoma and the General Practitioner." By Paul A. Chandler, M.D. *New England Journal of Medicine,* Vol. 225, p. 615-619, 1941.

"Cataract Surgery." By Theodore L. Terry, M.D. *Proceedings of the Postgraduate Course in Ophthalmology.* The George Washington School of Medicine, Vol. VII, 1941, pp. 263-295.

"Malignant Melanoma: Differential Diagnosis."
"Glaucoma: Analysis of Histological Findings."
"Post-operative Surgical Pathology with Complications."
"Pathology of the Optic Nerve."
By Theodore L. Terry, M.D. Spring Graduate Course at the Gill Memorial Eye, Ear and Throat Hospital, Roanoke, Virginia, April 1941.

"Diagnosis and Treatment of Intraocular Neoplasm." By Theodore L. Terry, M.D. Part of symposium on Tumors and Adnexa, New York Academy. *Archives of Ophthalmology,* November, 1941, Vol. 26, No. 5, p. 932.

"Truss for Application of Pressure to the Eye." By Theodore L. Terry, M.D. *American Journal of Ophthalmology.* (In press.)

"Extreme Prematurity and Fibroblastic Overgrowth of Persistent Vascular Sheath Behind Each Crystalline Lens." By Theodore L. Terry, M.D. *American Journal of Ophthalmology.* (In press.)

"Further Consideration on Diagnosis and Treatment of Uveal Malignant Melanoma." By Theodore L. Terry, M. D. The Brooklyn Ophthalmological Society, December 18, 1941.

"Cataract Extraction with Iridodialysis." By William P. Beetham, M.D. Read before the Annual Meeting of the American Ophthalmological Society on May 30, 1941. (In press.)

Discussion of Dr. Howard F. Hill's paper "The Evaluation of Blind Spot Findings in Brain Injuries." By Virgil G. Casten, M.D., before the New England Ophthalmological Society, Boston, Massachusetts, January 21, 1941.

Discussion of Dr. Dearborn's paper "Specific Reading Disabilities" by Virgil G. Casten, M.D., before the Harvard Medical Society, Boston, Massachusetts, April 8, 1941.

"Normal Fields of Vision."
"Perimetric Instruments."
"Methods of Examination of Visual Fields."
"Pathological Visual Field."
"Interpretation of Visual Fields."
Lecture on "Visual Fields" by Virgil G. Casten, M.D., Postgraduate Course, University of Michigan Postgraduate School of Medicine, Ann Arbor, Michigan, April 18-19, 1941.

"Ocular Aspects of Industrial Accidents." By Virgil G. Casten, M.D. Discussion before the Boston Orthopedic Club, Boston, Massachusetts, April 21, 1941.

"Cerebral Disorders with Ocular Complications." By Virgil G. Casten, M.D. Read before the American Academy of Ophthalmology and Otolaryngology, Chicago, Illinois, October 20, 1941.

"Surgery of Squint." By Virgil G. Casten, M.D. Read before the Clinical Conference American College of Surgeons, Boston, Massachusetts, November 4, 1941.

"Vertical Motor Anomalies." By Virgil G. Casten, M.D. Read before the Cleveland Ophthalmological Society, Cleveland, Ohio, November 18, 1941.

"Gonioscopic Observations in Cyclodialysis." By Samuel T. Clarke, M.D. *American Journal of Ophthalmology,* Vol. 24, No. 9, September 1941.

"Primary Glaucoma." By Samuel T. Clarke, M.D. *Diseases of the Eye, Ear, Nose and Throat,* Vol. 1, No. 4, April 1941.

"Medical Ophthalmology." By Samuel T. Clarke, M.D. *Bulletin of the New England Medical Center,* Vol. 3, No. 4, August 1941.

"Ocular Manifestations in Myasthenia Gravis." By Robert D. Mattis, M.D. *Archives of Ophthalmology,* Vol. 26, No. 6, pp. 969-983.

"Fundamentals of Refraction." Based upon the Lectures of Harry K. Messenger, Ph.D., M.D. Edited by Robert D. Mattis, M.D. Published by Massachusetts Eye and Ear Infirmary 1941 and copyrighted.

## DEPARTMENT OF OTOLARYNGOLOGY

"Report of Board of Trustees of the Research Fund." By D. Harold Walker, M.D. Transactions, American Otological Society, Incorporated, 1941.

"The Pathology of Sinusitis." By LeRoy A. Schall, M.D. Postgraduate Class, New York Eye and Ear Infirmary, New York, New York, March 24, 1941.

"The Management of Blood Stream Infections." By LeRoy A. Schall, M.D. Postgraduate Group, Gill Memorial Hospital, Roanoke, Virginia, April 7, 1941.

"Cancer of the Mouth and Nasopharynx." By LeRoy A. Schall, M.D. Gill Memorial Hospital, Roanoke, Virginia, April 7, 1941.

"Malignancy: General Considerations with Special Reference to the Nose and Throat." By LeRoy A. Schall, M.D. Roanoke Academy of Medicine, Roanoke, Virginia, April 7, 1941.

"The Use of Heparin in Otolaryngology." By LeRoy A. Schall, M.D. Gill Memorial Hospital, Roanoke, Virginia, April 8, 1941.

"Intravenous Therapy in Otolaryngology." By LeRoy A. Schall, M.D. Gill Memorial Hospital, Roanoke, Virginia, April 8, 1941.

"Cancer of the Nose and Sinuses." By LeRoy A. Schall, M.D. Connecticut State Medical Society, Bridgeport, Connecticut, May 22, 1941.

"The Treatment of Septic Thrombophlebitis of the Cavernous Sinus." By LeRoy A. Schall, M.D. Ear, Nose and Throat Section: Connecticut State Medical Society, Bridgeport, Connecticut, May 22, 1941.

"The Treatment of Septic Thrombophlebitis of the Cavernous Sinus—Chairman's Address." By LeRoy A. Schall, M.D. American Medical Association, Section of Otology, Rhinology, and Laryngology, 1941. *Journal of American Medical Association,* August 23, 1941. Vol. 117, pp. 581-584.

"Malignant Tumors of Salivary Glands." By LeRoy A. Schall, M.D. Symposium on Salivary Glands. American College of Surgeons, Boston, Massachusetts, November 6, 1941.

"Cancer of the Nose and Sinuses." By LeRoy A. Schall, M.D. Postgraduate course—Cleveland Clinic, Cleveland, Ohio, December 9, 1941.

"Cavernous Sinus Thrombophlebitis. Its Diagnosis and Treatment." By LeRoy A. Schall, M.D. William Vallentine Mullin Memorial Lecture, Cleveland, Ohio, December 9, 1941.

"Cancer of the Larynx—Surgical Treatment." By LeRoy A. Schall, M.D. American Roentgen-Ray Society, October 1, 1940, Boston, Massachusetts. *The American Journal of Roentgen and Radium Therapy,* Vol. XLVI, No. 1, 30-33, July 1941.

"The Waltzing (Circling) Guinea Pig." By M. H. Lurie, M.D. *Annals of Otology, Rhinology and Laryngology,* March 1941.

"Treatment of Deafness in the Light of Recent Animal Experimentation." By M. H. Lurie, M.D. (In press.) Read by invitation at the Annual Meeting of the Pacific Coast Oto-Ophthalmological Society, May 26, 1941, Los Angeles, California.

"Primary Care of Injuries of the Face and Jaws." By V. H. Kazanjian, M.D. *Surgery, Gynecology and Obstetrics.* February 15, 1941. Vol. 72, pp. 431-436.

"Treatment of Benign Tumors of the Jaw." By V. H. Kazanjian, M.D. *The Journal of the American Dental Association,* February 1941. Vol. 28, 208-223.

"Synopsis of Treatment of War Time Injuries of the Face and Jaws." By V. H. Kazanjian, M.D. *The Apollonian,* April 1941.

"Dental Autonomy: A Policy of Isolation." By V. H. Kazanjian, M.D. *The Journal of the American Dental Association.* October 1941. Vol. 28, pp. 1671-1673.

"Management of Sinusitis in Cases of Bronchiectasis." By Robert L. Goodale, M.D. *Archives of Otolaryngology,* October 1941, Vol. 34, pp. 792-796.

"Infected Mucocele of the Frontal Sinus, Complicated by Septicemia and Meningitis, with Recovery." By Charles I. Johnson, M.D. *Archives of Otolaryngology,* May 1941, Vol. 33, No. 5, p. 841.

"Quantitative Effects of Physical and Chemical Agents on the Erectile Tissues Response in the Nose." By Herman J. Sternstein, M.D. *Archives of Otolaryngology,* September 1941.

# Publications of the Staff of the Howe Laboratory of Ophthalmology

"Popular Misconceptions Pertaining to Ophthalmology." By D. G. Cogan, M.D. *The New England Journal of Medicine,* 224:462-466, 1941.

"Some Ocular Phenomena Produced with Polarized Light." By D. G. Cogan, M.D. *Archives of Ophthalmology,* 25:391-400, 1941.

"Some Practical Considerations Pertaining to Corneal Edema." By D. G. Cogan, M.D. *Archives of Ophthalmology,* 25:552-556, 1941.

"Bullous Keratitis with Particular Reference to the Pathology of Experimental Corneal Vesiculation." By D. G. Cogan, M.D. *Archives of Ophthalmology,* 25:941-968, 1941.

"A Research Laboratory in an Eye Hospital." By D. G. Cogan, M.D. A report of the Massachusetts Eye and Ear Infirmary (Bulletin), 1941.

"A Simplified Entoptic Pupillometer." By D. G. Cogan, M.D. *The American Journal of Ophthalmology,* 24:1431-1433, 1941.

"Thiamine (Vitamin $B_1$) in Ophthalmology." By V. E. Kinsey, Ph.D. *Archives of Ophthalmology,* 26:129-130, 1941.

"Distribution of Sulfanilamide and its Derivatives Between Blood and Aqueous." By S. D. Liebman, M.D. and E. H. Newman, M.D. *Archives of Ophthalmology,* 26:472-477, 1941.

"Extrafoveal Visual Acuity as Measured with Snellen Test Letters." By E. Ludvigh, Ph.D. *American Journal of Ophthalmology,* 24:303-310, 1941.

"Effect of Reduced Contrast on Visual Acuity as Measured with Snellen Test Letters." By E. Ludvigh, Ph.D. *Archives of Ophthalmology,* 25:469-474, 1941.

## PAPERS AND LECTURES

"What is Adequate Illumination?" By D. G. Cogan, M.D. The New England Ophthalmological Society Meeting, January 21, 1941.

The New England Ophthalmological Society meeting on March 18, 1941, was devoted to the presentation of some of the work then in progress in the Howe Laboratory. The following papers were presented:

"Variation in Visual Acuity from Center to Periphery." By E. Ludvigh, Ph.D.

"Sarcoidosis." By M. J. King, M.D.

"Causes of Blindness at the Perkins Institute." By T. Gundersen, M.D.

"Diffusion of Sulfonamide Compounds into the Eye. By E. Newman, M.D. and S. D. Liebman, M.D.

"Corneal Permeability: A Preliminary Report." By V. E. Kinsey, Ph.D.

"Mechanism and Management of Bullous Keratitis." By D. G. Cogan, M.D.

"Oculomotor Anomalies: Moving Picture Demonstration." By D. G. Cogan, M.D. The New England Ophthalmological Society Meeting, November 18, 1941.

At the Ophthalmic Research Group meeting on December 14, 1941, the following papers were presented by members of the Staff of the Howe Laboratory:

"Studies on the Cornea. Parts I and II." By D. G. Cogan, M.D. and V. E. Kinsey, Ph.D.

"Free Floating Cysts in the Anterior Chamber—a Hereditary Condition." By T. Gundersen, M.D.

"The Effect of Local Anesthetics on Regeneration of Corneal Epithelium." By T. Gundersen, M.D. and S. D. Liebman, M.D.

"Water Movement and the Eye." By V. E. Kinsey, Ph.D., M. Grant, M.D., and D. G. Cogan, M.D.

"Some Experiments Concerning the Nature of Amblyopia ex Anopsia." By E. Ludvigh, Ph.D.

# Tables of Diseases

## COMPILED FROM RECORDS

January 1, 1941 to January 1, 1942

| | House | Out-Patient |
|---|---|---|
| SECTION I<br>Specific Infectious Diseases—General Diseases | 145 | 13 |
| SECTION II<br>Diseases Due to Animal Parasites | 1 | 0 |
| SECTION III<br>Diseases of Metabolism and Deficiency | 20 | 11 |
| SECTION IV<br>Diseases Peculiar to Infancy | 43 | 0 |
| SECTION V<br>Diseases Due to Physical Agents | 2 | 0 |
| SECTION VI<br>Poisonings, Intoxications | 1 | 0 |
| SECTION VII<br>Tumors, Benign and Malignant | 423 | 206 |
| SECTION VIII<br>Congenital Malformations | 48 | 3 |
| SECTION IX<br>Injuries | 61 | 5 |
| SECTION X<br>Diseases of the Skin | 36 | 11 |
| SECTION XI<br>Diseases of the Circulatory System | 10 | 14 |
| SECTION XII<br>Diseases of the Lymphatic System | 32 | 13 |
| SECTION XIII<br>Diseases of the Blood-Forming Organs | 0 | 1 |

| | House | Out-Patient |
|---|---|---|
| SECTION XIV | | |
| Diseases of the Endocrine Glands | 2 | 0 |
| SECTION XV | | |
| Diseases of the Nervous System | 71 | 9 |
| SECTION XVI | | |
| Diseases of the Bones, Joints, Muscles, Tendons and Fascia | 16 | 0 |
| SECTION XVII | | |
| Diseases and Injuries of the Eye and Ear | | |
| Diseases of the Eye | 2984 | 2976 |
| A. General | 394 | 1057 |
| B. Lids | 70 | 207 |
| C. Lacrimal Apparatus | 79 | 44 |
| D. Conjunctiva | 44 | 300 |
| E. Cornea | 236 | 875 |
| F. Anterior Chamber | 20 | 0 |
| G. Sclera | 9 | 11 |
| H. Lens | 1026 | 252 |
| J. Uveal Tract | 40 | 17 |
| 1. Iris | 202 | |
| 2. Ciliary Body | 17 | |
| 3. Choroid | 14 | |
| K. Retina | 145 | 53 |
| L. Vitreous | 9 | 7 |
| M. Optic Nerve | 10 | 33 |
| N. Eyeball | 210 | 24 |
| O. Orbit | 23 | 4 |
| P. Disturbance of Motion | 436 | 92 |
| Diseases of the Ear | 465 | 111 |
| Q. General | 3 | 3 |
| R. Auricle | 24 | 0 |
| S. External Auditory Canal | 29 | 59 |
| V. Middle Ear and Mastoid | 401 | 49 |
| W. Internal Ear | 8 | |
| SECTION XVIII | | |
| Diseases of the Nose and Accessory Sinuses | 798 | 82 |
| SECTION XIX | | |
| Diseases of the Mouth, Lips, Cheeks, Pharynx, Tonsils and Palate | 2058 | 26 |

| | *House* | *Out-Patient* |
|---|---|---|
| SECTION XX | | |
| Diseases of Jaw, Teeth and Gums | 21 | 0 |
| SECTION XXI | | |
| Diseases of the Tongue | 2 | 0 |
| SECTION XXII | | |
| Diseases of Esophagus | 103 | 4 |
| SECTION XXIII | | |
| Diseases of Stomach | 1 | 0 |
| SECTION XXVII | | |
| Diseases of the Abdomen and Peritoneum in General | 3 | 0 |
| SECTION XXIX | | |
| Diseases of the Larynx | 48 | 6 |
| SECTION XXX | | |
| Diseases of the Trachea and Bronchi | 26 | 0 |
| SECTION XXXI | | |
| Diseases of the Lungs | 8 | 0 |
| SECTION XXXII | | |
| Diseases of the Pleura and Mediastinum | 3 | 0 |
| SECTION XXXIII | | |
| Diseases of the Kidney and Ureter | 0 | 0 |
| SECTION XL | | |
| Anaphylaxis | 5 | 4 |
| SECTION XLII | | |
| Ill-Defined or Unclassified Diseases | 101 | 116 |
| Totals | 7537 | 3610 |

# Graduate House Officers

Albaugh, Clarence H., *Ophthalmic,* 1940.
Suite 1130, Roosevelt Building, Los Angeles, California.
Alexander, Seeyman L., *Aural,* 1919.
170 St. George Street, Toronto, Ontario, Canada.
Allen, John H., *Aural,* 1904. 32 Deering Street, Portland, Maine.
Allman, Charles H., *Oto-Laryngological,* 1930.
520 Commonwealth Avenue, Boston, Mass.
Amadon, A. M., *Aural,* 1897-98. (Deceased.)
Amberg, Emil, *Aural,* 1897.
1244 West Boston Boulevard, Detroit, Michigan.
Anthony, Alan R., *Ophthalmic,* 1936.
1738 Angus Drive, Vancouver, British Columbia.
Anthony, Marc, *Ophthalmic,* 1929.
Westminster Apts., Spokane, Washington.
Aylesworth, Frederick A., *Ophthalmic,* 1916.
Suite 1001, Medical Arts Building, Toronto, Ontario, Canada.
Bair, Hugo L., *Ophthalmic,* 1932. Mayo Clinic, Rochester, Minnesota.
Barss, Richard, *Ophthalmic,* 1877.
Bassen, Edward J., *Ophthalmic,* 1928.
654 Madison Avenue, New York City, N. Y.
Baur, Frederick E., *Aural,* 1902. 43 Grande Ave., Milwaukee, Wisconsin.
Beetham, William P., *Ophthalmic,* 1929.
108 Bay State Road, Boston, Mass.
Berry, Gordon, *Aural,* 1910. 36 Pleasant Street, Worcester, Mass.
Bigelow, F. Nolton, *Aural,* 1910. (Deceased.)
Birdsall, Clarence H., *Aural,* 1916; *Ophthalmic,* 1918.
26 Summer Street, Haverhill, Mass.
Blaisdell, Irl H., *Oto-Laryngological,* 1939.
Medical Arts Building, Syracuse, New York.
Bogan, Frederick L., *Aural,* 1908.
464 Commonwealth Avenue, Boston, Mass.
Boies, Lawrence R., *Oto-Laryngological,* 1931.
1937 Medical Arts Building, Minneapolis, Minnesota.
Bradford, Henry W., *Ophthalmic,* 1877. (Deceased.)
Brawner, Leon E., *Oto-Laryngological,* 1925.
384 Peachtree Street, 701 Medical Arts Building, Atlanta, Georgia.
Bridgewood, David, *Ophthalmic,* 1926. (Deceased.)
Briggs, Wallace R., *Ophthalmic,* 1920.
229 M Street, Sacramento, California.
Brown, Lester A., Jr., *Oto-Laryngological,* 1937.
478 Peachtree Street, Suite 815, Atlanta, Georgia.
Burger, Franklyn D., *Ophthalmic,* 1941.
270 Commonwealth Avenue, Boston, Mass.
Burke, J. Robert, *Ophthalmic,* 1918. *Aural,* 1919.
207 Elm Street, Holyoke, Mass.
Cahill, Harry P., *Aural,* 1914. (Deceased.)
Cameron, Walter C., *Opthalmic,* 1930.
1103 Rhodes Building, Tacoma, Washington.
Canfield, R. Bishop, *Aural,* 1901. (Deceased.)

Capeles, Thomas F., *Ophthalmic, Aural,* 1915-1916.
191 Merrimac Street, Haverhill, Mass.
Carleton, Ralph, *Ophthalmic,* 1896. (Deceased.)
Caron, Armand L., *Oto-Laryngological,* 1927.
36 Pleasant Street, Worcester, Mass.
Carroll, Frank D., *Ophthalmic,* 1935.
Eye Institute, 635 W. 165th Street, New York, N. Y.
Carroll, Henry G., *Ophthalmic,* 1911.
270 Commonwealth Avenue, Boston, Mass.
Carter, Leland F., *Ophthalmic,* 1926.
4061 Pasadena Avenue, Detroit, Michigan.
Case, Paul H., *Ophthalmic,* 1938.
822 Professional Building, Phoenix, Arizona.
Casten, Virgil G., *Ophthalmic,* 1931.
520 Commonwealth Avenue, Boston, Mass.
Cavanaugh, Thomas, *Ophthalmic,* 1940.
395 Commonwealth Avenue, Boston, Mass.
Cave, Linus S., *Oto-Laryngological,* 1927.
Physicians' Building, Syracuse, N. Y.
Chamberlain, Allen H., *Ophthalmic,* 1889. (Deceased.)
Chandler, H. Beckles, *Ophthalmic,* 1880. (Deceased.)
Chandler, H. Beckles, Jr., *Ophthalmic,* 1912.
34½ Beacon Street, Boston, Mass.
Chandler, Paul A., *Ophthalmic,* 1925. 5 Bay State Road, Boston, Mass.
Cheney, Frederick E., *Ophthalmic,* 1888. (Deceased.)
Cheney, Robert C., *Ophthalmic,* 1921. (Deceased.)
Clap, Edmund W., *Ophthalmic,* 1899.
390 Commonwealth Avenue, Boston, Mass.
Clarke, Jonas, *Ophthalmic,* 1877.
Clarke, Samuel T., *Ophthalmic,* 1939.
403 Commonwealth Avenue, Boston, Mass.
Clough, Joseph M., *Oto-Laryngological,* 1939; *Ophthalmic,* 1941.
Cogan, David G., *Ophthalmic,* 1935. 243 Charles Street, Boston, Mass.
Converse, John M., *Oto-Laryngological,* 1938.
121 East 60th Street, New York City, New York.
Cooper, Kemp G., *Oto-Laryngological,* 1930.
1516 Cook Street, Denver, Colorado.
Cordray, David P., *Oto-Laryngological,* 1940.
270 Commonwealth Avenue, Boston, Mass.
Coughlan, John N., *Aural,* 1900. (Deceased.)
Coyle, John A., *Ophthalmic,* 1931. Wilder, Vermont.
Crewson, Arthur L., *Oto-Laryngological,* 1927.
120 Sydney Street, Cornwall, Ontario, Canada.
Crockett, Eugene A., *Aural,* 1892. (Deceased.)
Davidson, Herman P., *Ophthalmic,* 1920.
Suite 1424, 30 North Michigan Avenue, Chicago, Illinois.
Davis, Frederick A., *Ophthalmic,* 1892. (Deceased.)
Day, Charles Orrin, *Aural, Laryngological,* 1922. (Deceased.)
Day, Kenneth, *Oto-Laryngological,* 1924.
121 University Place, Pittsburgh, Pennsylvania.
Dean, Abbott W., *Ophthalmic,* 1929.
424 Oakland Avenue, Council Bluffs, Iowa.
Donahue, Hugh C., *Ophthalmic,* 1931.
520 Commonwealth Avenue, Boston, Mass.

Dowling, Joseph L., *Ophthalmic,* 1918.
57 Jackson Street, Providence, Rhode Island.
Drooker, Joshua C., *Oto-Laryngological,* 1939.
20 Charlesgate West, Boston, Mass.
Drury, Dana W., *Aural,* 1906. 483 Beacon Street, Boston, Mass.
Dunphy, Edwin B., *Ophthalmic,* 1923. 243 Charles Street, Boston, Mass.
Easton, Elwood T., *Ophthalmic,* 1900. 209 Newbury Street, Boston, Mass.
Easton, Mahlon T., *Ophthalmic,* 1936. 209 Newbury Street, Boston, Mass.
Ellis, Edward K., *Ophthalmic,* 1905. 412 Beacon Street, Boston, Mass.
Ernlund, Carl H., *Oto-Laryngological,* 1927.
5 Bay State Road, Boston, Mass.
Evans, Maurice G., *Oto-Laryngological,* 1928.
416 Marlborough Street, Boston, Mass.
Evans, William H., *Ophthalmic,* 1924.
510-517 Dollar Bank Building, Youngstown, Ohio.
Farrell, James I., *Ophthalmic,* 1932. Kempf Building, Utica, New York.
Faunce, Calvin B., *Aural,* 1907. 412 Beacon Street, Boston, Mass.
Filmer, George A., *Ophthalmic,* 1939.
530 Metropolitan Building, Denver, Colorado.
Finck, Harry P., *Ophthalmic,* 1919; *Aural,* 1920. (Deceased.)
Fisher, Carl, *Ophthalmic,* 1907.
1930 Wilshire Boulevard, Los Angeles, California.
Fisher, Stanwood E., *Aural,* 1909. 122 State Street, Portland, Maine.
Foote, Charles M., *Ophthalmic,* 1940.
412 North Hastings Avenue, Hastings, Nebraska.
Frackelton, Ralph J., *Oto-Laryngological,* 1933.
15701 Detroit Avenue, Lakewood, Ohio.
Franklin, C. Ray, *Ophthalmic,* 1931.
168th Street and Broadway, New York City, New York.
Frazee, John R., *Oto-Laryngological,* 1934.
311 Beacon Street, Boston, Mass.
Fred, Gus Bernard, *Oto-Laryngological,* 1925.
475 Commonwealth Avenue, Boston, Mass.
Frisch, Frederick, *Ophthalmic,* 1908. (Deceased.)
Fultz, William E., *Ophthalmic,* 1927.
45 Kaye Street, Halifax, Nova, Scotia.
Gabriels, Joseph A. C., *Ophthalmic,* 1921.
435 State Street, Albany, New York.
Gallagher, John H. C., *Aural,* 1920. (Deceased.)
Gaudreau, Honoré E., *Ophthalmic,* 1930.
293 Bridge Street, Springfield, Mass.
Gaus, Louis, *Ophthalmic,* 1921. Ticonderoga, New York.
Germain, Harry H., *Ophthalmic,* 1899.
475 Commonwealth Avenue, Boston, Mass.
Gibson, Arthur C., *Aural,* 1921.
516 Sutter Street, San Francisco, California.
Gifford, Harold, Jr., *Ophthalmic,* 1934.
1620 Medical Arts Building, Omaha, Nebraska.
Gilbert, John J., *Ophthalmic,* 1917; *Aural,* 1920.
221 Thayer Street, Providence, Rhode Island.
Gillespie, Elmer H., *Oto-Laryngological,* 1932.
1101 Beacon Street, Brookline, Mass.
Goldman, A. Milton, *Ophthalmic,* 1924.
121 E. 60th Street, New York City, N. Y.

Goodale, Robert L., *Oto-Laryngological,* 1926.
330 Dartmouth Street, Boston, Mass.
Goodall, Edwin B., *Ophthalmic,* 1918. 71 Bay State Road, Boston, Mass.
Goodell, William, *Aural,* 1906. 121 Chestnut Street, Springfield, Mass.
Goray, J. P., *Ophthalmic,* 1897. Day Street, Fitchburg, Mass.
Gray, Gerald H., *Oto-Laryngological,* 1929.
420 Mountain Avenue, Piedmont, California.
Grossman, Herman P., *Ophthalmic,* 1934.
210 Angell Street, Providence, Rhode Island.
Gundersen, Trygve, *Ophthalmic,* 1930. 5 Bay State Road, Boston, Mass.
Hacking, Raymond F., *Ophthalmic,* 1927.
105 Waterman Street, Providence, Rhode Island.
Halliday, Armond A., *Ophthalmic,* 1918; *Aural,* 1919. (Deceased.)
Hammond, Philip, *Aural,* 1894. (Deceased.)
Happ, Linley C., *Oto-Laryngological,* 1931.
76 Freeman Parkway, Providence, Rhode Island.
Haskell, Henry H., *Ophthalmic,* 1893. 5 Vista Avenue, Auburndale, Mass.
Hawkins, Henry, *Ophthalmic,* 1909.
394 Marlborough Street, Boston, Mass.
Heffernan, David A., *Ophthalmic,* 1904.
270 Commonwealth Avenue, Boston, Mass.
Heine, Lyman H., *Oto-Laryngological,* 1937. Freemont, Nebraska.
Hennessey, William W., *Aural,* 1908. 33 Essex Street, Salem, Mass.
Hill, Frederick T., *Aural,* 1916. 111 Main Street, Waterville, Maine.
Hobart, Carl, *Ophthalmic,* 1922.
518 Metropolitan Building, St. Louis, Missouri.
Hollabaugh, Charles F., *Ophthalmic,* 1932.
Doctors' Building, Nashville, Tennessee.
Holmes, Edgar M., *Oto-Laryngological,* 1934.
520 Commonwealth Avenue, Boston, Mass.
Hoople, Gordon D., *Oto-Laryngological,* 1926.
The Medical Arts Building, Syracuse, New York.
Houston, G. Gilbert, *Oto-Laryngological,* 1938.
10 West Street, Charlottetown, P. E. I., Canada.
Hubbard, Rufus P., *Ophthalmic,* 1879.
Hurley, Edward D., *Ophthalmic,* 1907. (Deceased.)
Hussey, Edward J., *Ophthalmic,* 1906. (Deceased.)
Ireland, Percy E., *Oto-Laryngological,* 1935.
170 St. George Street, Toronto, Ontario, Canada.
Irgens, Edwin R., *Oto-Laryngological,* 1936. Waterville, Maine.
Irvine, S. Rodman, *Ophthalmic,* 1935.
700 Roosevelt Building, Los Angeles, California.
Irvine, Wendell C., *Ophthalmic,* 1941.
Suite 700, Roosevelt Building, Los Angeles, California.
Jack, Edwin E., *Ophthalmic,* 1888 (Retired.)
99 Sargent Road, Brookline, Mass.
Jackle, Arthur F., *Ophthalmic,* 1913. (Deceased.)
Jennings, John G., *Ophthalmic,* 1917.
82 Commonwealth Avenue, Boston, Mass.
Johnson, Charles I., *Oto-Laryngological,* 1929.
403 Commonwealth Avenue, Boston, Mass.
Johnson, Lorand V., *Ophthalmic,* 1937.
2065 Adelbert Road, Cleveland, Ohio.

Jones, Edward Earl, *Oto-Laryngological,* 1928.
141 W. Elm Street, Brockton, Mass.
Judd, Delbert K., *Oto-Laryngological,* 1934.
1020 Medical Arts Building, Omaha, Nebraska.
Kearny, Richard A., *Aural,* 1921.
2311 Connecticut Avenue, Washington, D. C.
Kendall, M. Ray, *Aural,* 1917. (Deceased.)
Kennedy, Michael Francis, *Ophthalmic,* 1927.
1835 I Street, N.W., Washington, D. C.
Kerst, J. Arthur, *Ophthalmic,* 1934.
Leland Office Building, East Capitol Avenue, Springfield, Illinois.
Kilburn, Henry W., *Aural,* 1885. (Deceased.)
King, Merrill J., *Ophthalmic,* 1932.
82 Commonwealth Avenue, Boston, Mass.
Kos, Clair M., *Oto-Laryngological,* 1941.
2925 Grand Avenue, Des Moines, Iowa.
Langworthy, Henry G., *Aural,* 1907.
10th and Bluff Streets, Dubuque, Iowa.
Lawlor, Edward F., *Oto-Laryngological,* 1941.
33 Tremont Street, Lawrence, Mass.
Leahey, Brendan D., *Ophthalmic,* 1933. 9 Central Street, Lowell, Mass.
LeCompte, Walter A., *Aural,* 1901. (Deceased.)
Lemoine, Albert E., *Ophthalmic,* 1923.
1119 Rialto Building, Kansas City, Missouri.
Lentine, Joseph, *Oto-Laryngological,* 1936.
395 Commonwealth Avenue, Boston, Mass.
Levitt, Jesse M., *Ophthalmic,* 1933. 734 Ocean Ave., Brooklyn, New York.
Liebman, William, *Ophthalmic,* 1911.
311 Commonwealth Avenue, Boston, Mass.
Lodge, Edmund A., *Oto-Laryngological,* 1924.
Mountain Home, Tennessee.
Loring, Robert G., *Ophthalmic,* 1900. 140 Beacon Street, Boston, Mass.
Lothrop, Oliver A., *Aural,* 1911. 101 Beacon Street, Boston, Mass.
Lougee, John L., *Aural,* 1909. 475 Beacon Street, Boston, Mass.
Lovesey, Burton E., *Oto-Laryngological,* 1935.
76 Bay State Road, Boston, Mass.
Lowell, W. Holbrook, *Ophthalmic,* 1902.
82 Commonwealth Avenue, Boston, Mass.
Lynch, Mercer G., *Oto-Laryngological,* 1936.
1567 Exposition Boulevard, New Orleans, Louisiana.
MacDonald, Alexander E., *Ophthalmic,* 1923.
151 Bloor Street, West, Toronto, Ontario, Canada.
Macdonald, Donald H., *Oto-Laryngological,* 1930.
425 Beacon Street, Boston, Mass.
MacKechnie, William G., *Aural,* 1918.
Port of Spain, Trinidad, British West Indies.
Mackenzie, Roland C., *Ophthalmic,* 1911.
51 Moody Street, Waltham, Mass.
MacMillan, A. L., Jr., *Aural,* 1912.
46 Pleasant Street, Concord, New Hampshire.
Macnie, John P., *Ophthalmic,* 1929.
635 W. 165th Street, New York City, New York.
Mansur, Leon Wallace, *Ophthalmic,* 1898. Retired.
Valley Center, California.

Martin, S. Forrest, *Ophthalmic,* 1938.
McAuley, Albert G., *Ophthalmic,* 1915.
1301 Dorchester Street, West, Montreal, Quebec, Canada.
McCabe, Frank J., *Ophthalmic,* 1916.
204 Angell Street, Providence, Rhode Island
McCall, Robert E., *Oto-Laryngological,* 1941.
236 South Main Street, Marion, North Carolina.
McClintock, Walter L., *Oto-Laryngological,* 1938.
1245 Hancock Street, Quincy, Mass.
McCusker, John J., *Ophthalmic,* 1897.
382 Broad Street, Providence, Rhode Island.
McDonald, Samuel J., *Ophthalmic,* 1902.
308 Commonwealth Avenue, Boston, Mass.
McGuigan, G. Edmund, *Ophthalmic,* 1924.
116 West Market Street, York, Pennsylvania.
McIntire, Frederic J., *Ophthalmic,* 1910.
63 North Common Street, Lynn, Mass.
McKelvey, Alexander D., *Aural,* 1911. (Deceased.)
McLaughlin, William C., *Aural,* 1908. (Deceased.)
McLeod, Angus M., *Oto-Laryngological,* 1932.
Medical Arts Building, Toronto, Ontario, Canada.
McLeod, John, *Ophthalmic,* 1930.
900 Argyle Building, Kansas City, Missouri.
Meek, Raymond E., *Ophthalmic,* 1926.
729 Park Avenue, New York City, New York.
Meltzer, Philip E., *Aural,* 1919. 20 Charlesgate West, Boston, Mass.
Merritt, Robert E., *Ophthalmic,* 1920. Retired. Valley Center, California.
Mertins, Paul S., *Oto-Laryngological,* 1936.
17 Galen Street, Montgomery, Alabama.
Messenger, Harry K., *Ophthalmic,* 1934.
313 Commonwealth Avenue, Boston, Mass.
Meyer, Monto F., *Ophthalmic,* 1919.
904 Canal Bank Building, New Orleans, Louisiana.
Miles, Nathan E., *Ophthalmic,* 1937.
Molton Hotel, Birmingham, Alabama.
Moore, Donald E., *Ophthalmic,* 1937.
403 Medical Arts Building, Syracuse, New York.
Moore, Fontaine B., *Aural,* 1914.
Moore, James A., *Oto-Laryngological,* 1940.
66 South Fullerton Avenue, Montclair, New Jersey.
Morse, Almon G., *Ophthalmic,* 1893. Sunmount, New York.
Moorman, John D., *Ophthalmic,* 1939.
Times Building, Huntsville, Alabama.
Mosher, Henry A., *Ophthalmic,* 1941. 62 Central Avenue, Dayton, Ohio.
Motley, Frederic E., *Oto-Laryngological,* 1925.
Charlotte Eye, Ear, Nose & Throat Hospital, Charlotte, North Carolina.
Mueller, Werner, *Oto-Laryngological,* 1933.
412 Beacon Street, Boston, Mass.
Murphy, Edward M., *Ophthalmic,* 1915. 9 Central Street, Lowell, Mass.
Murphy, William E., *Oto-Laryngological,* 1933.
Slater Building, Worcester, Mass.
Myers, Roscoe W., *Ophthalmic,* 1927.
36 Pleasant Street, Worcester, Mass.
Myers, Stanley A., *Oto-Laryngological,* 1937.

810 Dollar Bank Building, Youngstown, Ohio.
Nicholson, Harry M., *Aural,* 1913.
101 James Street South, Hamilton, Ontario, Canada.
O'Connor, Michael J., *Aural* and *Laryngological,* 1923.
105 Waterman Street, Providence, Rhode Island.
Olds, Bomar A., *Oto-Laryngological,* 1929.
Suite No. 307, Medical Arts Building, Atlanta, Georgia.
O'Neil, Robert C., *Oto-Laryngological,* 1928. (Deceased.)
Parker, Harry C., *Ophthalmic,* 1902.
Pollock, Frederic J., *Oto-Laryngological,* 1935.
Suite 403 Curtis Building, 622 Diversay Parkway, Chicago, Illinois.
Porter, Charles T., *Ophthalmic,* 1914; *Aural,* 1915.
520 Commonwealth Avenue, Boston, Mass.
Powers, George H., *Aural,* 1904. (Deceased.)
Price, F. Raymond, *Ophthalmic,* 1936.
1 Bee Street, Charleston, South Carolina.
Proctor, Francis I., *Ophthalmic,* 1891. (Deceased.)
Provost, Adolphe J., *Oto-Laryngological,* 1927.
36 Lowell Street, Manchester, New Hampshire.
Pdudhon, Charles A., *Oto-Laryngological,* 1930.
168 Sterling Street, Watertown, New York.
Quackenboss, Alexander, *Ophthalmic,* 1893. (Deceased.)
Quevedo, A. Arturo, *Ophthalmic,* 1933.
9a Ave. Sur No. 50, Guatemala City, Guatemala, Central America.
Quevedo, Julio, *Oto-Laryngological,* 1941.
9a Ave. Sur No. 50, Guatemala City, Guatemala, Central America.
Quincy, Josiah E., *Oto-Laryngological,* 1926.
270 Commonwealth Avenue, Boston, Mass.
Raynes, Alphonse F., *Ophthalmic,* 1923.
16 Market Square, Portsmouth, New Hampshire.
Reaves, Robert G., *Aural,* 1918.
425 W. Clinch Avenue, Knoxville, Tennessee.
Richards, Lyman G., *Oto-Laryngological,* 1924.
319 Longwood Avenue, Boston, Mass.
Richardson, John R., *Oto-Laryngological,* 1935.
395 Commonwealth Avenue, Boston, Mass.
Ross, Percy Jay, *Oto-Laryngological,* 1934.
1045 Michigan Avenue, Chicago, Illinois.
Rothwell, Stephen G., *Oto-Laryngological,* 1925.
100 Eighth Street, New Bedford, Mass.
Ruggles, Ralph H., *Ophthalmic,* 1920.
394 Marlborough Street, Boston, Mass.
Ruggles, Roger L., *Oto-Laryngological,* 1932.
80 Elm Street, Westfield, Mass.
Rust, Frank L., *Ophthalmic,* 1898. (Deceased.)
Ryder, George H., *Ophthalmic,* 1901. 968 Hancock Street, Quincy, Mass.
Sachs, Benjamin, *Ophthalmic,* 1925. 520 Beacon Street, Boston, Mass.
Sargent, Francis B., *Aural* and *Laryngological,* 1923.
124 Waterman Street, Providence, Rhode Island.
Savage, Ross E., *Ophthalmic,* 1910. 543 Boylston Street, Boston, Mass.
Scarney, Herman D., *Ophthalmic,* 1928.
573 Fisher Building, Detroit, Michigan.
Schnebly, J. Thomas, *Ophthalmic,* 1938.
508 Farragut Medical Building, Washington, D. C.

Seale, Earl S., *Ophthalmic,* 1940. 108 Bay State Road, Boston, Mass.
Shambaugh, George E., Jr., *Oto-Laryngological,* 1932.
122 S. Michigan Boulevard, Chicago, Illinois.
Shanahan, Timothy J., *Aural,* 1907. (Deceased.)
Simmons, Fred A., *Aural,* 1918. (Deceased.)
Sisson, Raymond J., *Ophthalmic,* 1925. (Deceased.)
Skilling, Francis C., Ophthalmic, 1933.
401 Ingram Building, Miami, Florida.
Slaughter, Earl C., *Oto-Laryngological,* 1940.
418 Calumet Bank Building, Hammond, Indiana.
Smith, Harold D., *Oto-Laryngological,* 1937.
342 Investment Building, Pomona, California.
Smyth, D. Campbell, *Aural,* 1910. (Deceased.)
Smyth, P. Somers, *Ophthalmic,* 1905. (Deceased.)
Snow, Robert G., *Oto-Laryngological,* 1940.
403 Commonwealth Avenue, Boston, Mass.
Sowers, Martin L., *Aural* and *Laryngological,* 1922.
Crossway Apts., Far Rockaway, New York.
Spalding, Fred M., *Ophthalmic,* 1900. 128 Newbury Street, Boston, Mass.
Spratt, Charles N., *Ophthalmic,* 1904. 785 9th Street, Minneapolis, Minn.
Standish, Myles, *Ophthalmic,* 1880. (Deceased.)
Stephens, H. Frederick, *Ophthalmic,* 1939.
195 Thayer Street, Providence, Rhode Island.
Sullivan, Garrett L., *Ophthalmic,* 1938. 5 Bay State Road, Boston, Mass.
Tegelberg, Julius, *Oto-Laryngological,* 1931.
390 Main Street, Worcester, Mass.
Terry, Theodore L., *Ophthalmic,* 1928. 128 Newbury Street, Boston, Mass.
Thompson, Peter Hunter, *Ophthalmic,* 1902.
308 Commonwealth Avenue, Boston, Mass.
Tobey, George L., Jr., *Aural,* 1905.
403 Commonwealth Avenue, Boston, Mass.
Tobey, Harold G., *Aural,* 1915.
403 Commonwealth Avenue, Boston, Mass.
Toot, J. Frederick, *Ophthalmic,* 1922. East Liverpool, Ohio.
Twitchell, Marshall C., *Ophthalmic,* 1941.
151 Ledge Road, Burlington, Vermont.
Vail, Derrick T., *Ophthalmic,* 1924. 819 Carew Tower, Cincinnati, Ohio.
Vail, Harris H., *Aural,* 1921. (Deceased.)
Viger, Roland J., *Ophthalmic,* 1937.
1414 Drummond Street, Montreal, Quebec, Canada.
Waite, J. Herbert, *Ophthalmic,* 1923. 7 Bay State Road, Boston, Mass.
Wales, Ernest DeW., *Aural,* 1902.
1236 N. Pennsylvania Street, Indianapolis, Indiana.
Walker, Charles E., Jr., *Ophthalmic,* 1935.
1114 Republic Building, Denver, Colorado.
Walker, Clifford B., *Aural,* 1914.
Auditorium Building, Los Angeles, California.
Walker, D. Harold, *Aural,* 1902. 5 Bay State Road, Boston, Mass.
Wattles, F. Merrill, *Oto-Laryngological,* 1938.
312 Greenleaf Building, Jacksonville, Florida.
Webster, Franklin R., *Ophthalmic,* 1926.
University Building, Syracuse, New York.
Weille, Francis L., *Oto-Laryngological,* 1929.
395 Commonwealth Avenue, Boston, Mass.

Weinheimer, Lambert H., *Ophthalmic,* 1922.
109 So. Warren Street, Syracuse, New York.
Wherry, Walter J., *Oto-Laryngological,* 1939.
1500 Medical Arts Building, Omaha, Nebraska.
White, Leon E., *Aural,* 1897. (Deceased.)
White, Leon E., *Aural* and *Laryngological,* 1923.
390 Commonwealth Avenue, Boston, Mass.
Whitney, Raymond C., *Ophthalmic,* 1922.
227 Union Street, New Bedford, Mass.
Willis, Harry C., *Aural* and *Laryngological,* 1923.
216 E. Nash Street, Wilson, North Carolina.
Winkler, Herman A., *Oto-Laryngological,* 1926.
224 Thayer Street, Providence, Rhode Island.
Wishart, David E. S., *Aural* and *Laryngological,* 1922.
47 Grosvenor Street, Toronto, Ontario, Canada.
Woodruff, Harry W., *Ophthalmic,* 1936. (Deceased.)
Worthen, Clarence F., *Ophthalmic,* 1917.
319 Commonwealth Avenue, Boston, Mass.
Wright, Clarence F., *Oto-Laryngological,* 1931.
86 Bloor Street, West, Toronto, Ontario, Canada.
Wright, Edward N., *Oto-Laryngological,* 1933.
54 Brant Avenue, Brantford, Ontario, Canada.

## Form of a Bequest to the Infirmary

*I give and bequeath to the Massachusetts Eye and Ear Infirmary of Boston, the sum of dollars, to be applied to the uses of said Infirmary.*

Mrs. Wilson

ONE HUNDRED AND SEVENTEENTH

# ANNUAL REPORT

OF THE

# *Massachusetts Eye and Ear Infirmary*

INCORPORATED IN 1827

FOR THE YEAR

1942

OFFICERS AND STAFF

1943

BOSTON · MASSACHUSETTS

# THE MASSACHUSETTS EYE AND EAR INFIRMARY

243 Charles Street, Corner Fruit Street, Boston, Mass.

The Massachusetts Eye and Ear Infirmary is a charitable Institution supported solely by receipts from patients and voluntary contributions. Only those unable to pay Doctors' fees will be admitted to the Wards or Out-Patient Department.

## OUT-PATIENT DEPARTMENT

The Out-Patient Department is open daily excepting Sundays and legal holidays, from 8 to 10 A.M. for examination and treatment of all persons afflicted with disease of the eye, ear, nose or throat, who are unable to pay a physician. Patients should, whenever possible, bring a letter from their physician recommending admission. In emergencies or unusual situations, the patient may be admitted, the doctor notified and information requested from him as to the medical and social aspects of the case. A patient may also be admitted by giving satisfactory evidence that he is not and has not been under treatment by a physician, and that he cannot afford to pay for examination and treatment by a private physician.

Admission fee: Adults, seventy-five cents first visit, other visits sixty cents; children under sixteen years of age fifty cents first visit, other visits thirty cents.

## HOSPITAL WARD SERVICE

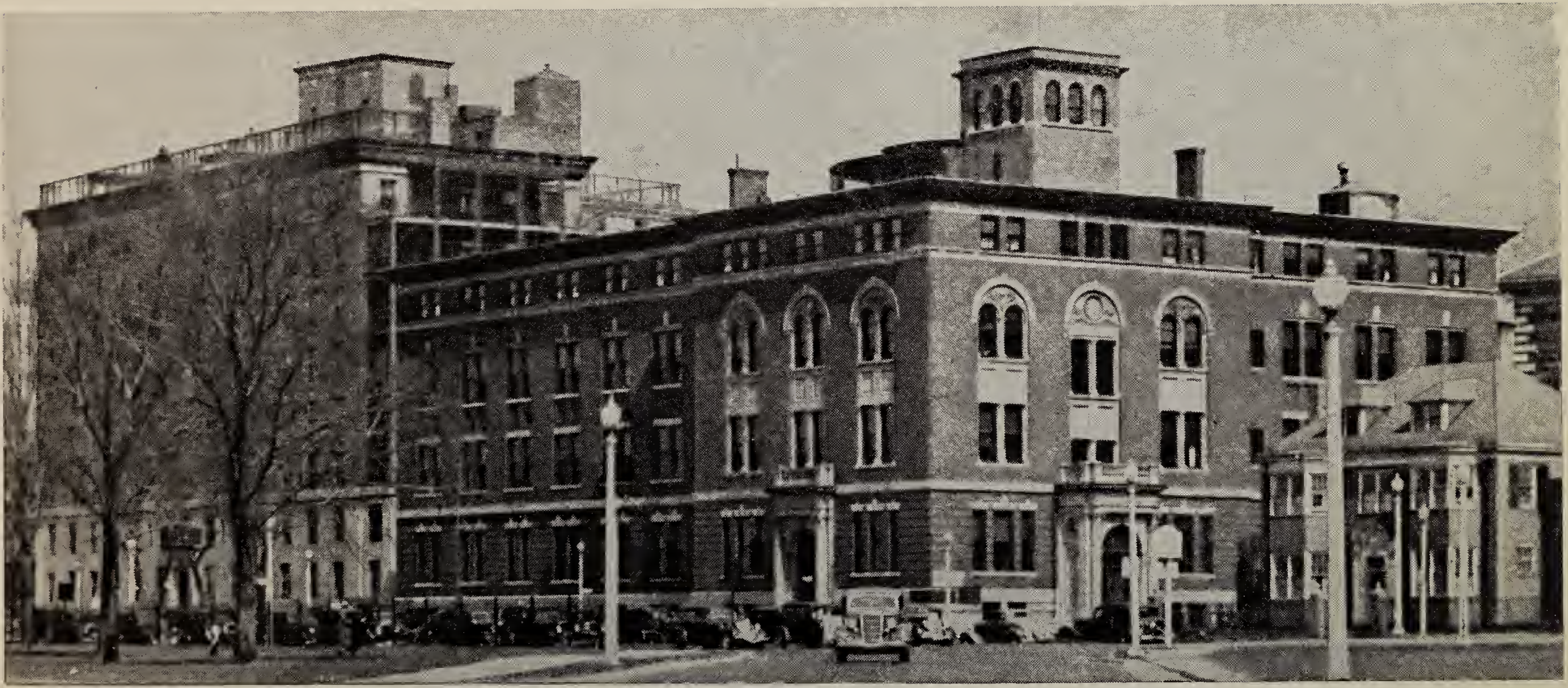
Patients should whenever possible, bring a letter from their doctor recommending admission. If their medical condition after examination by the house officer on duty is found to be suitable, they will be admitted. Persons recommended for admission should come to the Admitting Office, 243 Charles Street, between 9 A.M. and 1 P.M. on week days, excepting legal holidays.

Accident and emergency cases admitted at any time.

Patients admitted to the wards as in-patients will be charged for board at the rate of twenty-eight dollars per week, payable in advance, unless some special arrangement is made by the Director. No reduction in rate of board made to those residing outside the Commonwealth of Massachusetts.

## PRIVATE PATIENTS

The Infirmary also provides facilities for the care of private patients of members of the hospital staff. The rates for single rooms range from $7.50 to $9 a day and accommodations in rooms with five or six beds are $4.50 a day. Patients are expected to arrange with their physician regarding professional fees.



Massachusetts Eye and Ear Infirmary

ONE HUNDRED AND SEVENTEENTH

# ANNUAL REPORT

OF THE

# *Massachusetts Eye and Ear Infirmary*

INCORPORATED IN 1827

For the Year

1942

Officers and Staff

1943

BOSTON · MASSACHUSETTS

# Table of Contents

PAGE

OFFICERS . . . . . 3

BOARD OF MANAGERS AND STAFF . . . . . 3

HISTORY . . . . . 12

PRESIDENT'S REPORT . . . . . 15

TREASURER'S REPORT . . . . . 17

LADIES VISITING COMMITTEE . . . . . 32

DIRECTOR'S REPORT . . . . . 34

GARDNER BUILDING . . . . . 43

DEPARTMENT OF OPHTHALMOLOGY . . . . . 44

REFRACTION ROOM . . . . . 46

DEPARTMENT OF OTO-LARYNGOLOGY . . . . . 49

PATHOLOGICAL LABORATORY . . . . . 52

X-RAY DEPARTMENT . . . . . 54

NURSING DEPARTMENT . . . . . 55

DIETARY DEPARTMENT . . . . . 58

MEDICAL SOCIAL SERVICE . . . . . 59

OCCUPATIONAL THERAPY . . . . . 67

HOWE LABORATORY . . . . . 70

HOWE LIBRARY . . . . . 72

SCIENTIFIC PAPERS . . . . . 73

TABLE OF DISEASES . . . . . 78

GRADUATE HOUSE OFFICERS . . . . . 81

# Officers, 1943

## BOARD OF MANAGERS, 1942–1943

| | |
|---|---|
| 1893–95<br>1907– | Charles P. Curtis, 71 Ames Building |
| 1903 | Russell G. Fessenden, 1 Federal Street |
| 1914 | James C. Howe, 1005 Exchange Building |
| 1925 | Leverett Saltonstall, 82 Devonshire Street |
| 1929 | Walter H. Trumbull, Weston, Mass. |
| †1934 | Patrick A. O'Connell, 154 Tremont Street |
| 1934 | Frank G. Allen, 248 Summer Street |
| 1934 | Robert F. Bradford, 49 Federal Street |
| 1935 | William A. Parker, 1 Court Street |
| 1937 | Henry Hixon Meyer, 820 Exchange Building |
| 1940 | Mrs. Richard Cary Curtis, 215 Warren Street, Brookline, Mass. |
| 1940 | Horace W. Frost, 74 State Street |
| 1942 | Edmund V. Keville, 49 Federal Street |
| †1942 | Dr. D. Harold Walker, 5 Bay State Road |

*President*

Russell G. Fessenden

*Secretary*

James C. Howe

*Treasurer*

Horace W. Frost

*Executive Committee*

Russell G. Fessenden
Robert F. Bradford
Henry H. Meyer
James C. Howe

*Finance Committee*

Russell G. Fessenden
Horace W. Frost
William A. Parker

*Advisory Committee*

Social Service Department

Charles T. Porter, M.D.
Paul A. Chandler, M.D.
Horace W. Frost
William A. Parker
Mrs. Noel Morss
Mrs. Leslie Soule

---

† Appointed by the Commonwealth.

## VISITING COMMITTEE

| | | | |
|---|---|---|---|
| January | Mrs. R. C. Curtis | July | Mr. Trumbull |
| | Mr. Allen | | Mr. Fessenden |
| February | Mr. Allen | August | Mr. Fessenden |
| | Mr. Meyer | | Mr. Howe |
| March | Mr. Meyer | September | Mr. Howe |
| | Mr. Frost | | Mr. Bradford |
| April | Mr. Frost | October | Mr. Bradford |
| | Mr. C. P. Curtis | | Mr. Keville |
| May | Mr. C. P. Curtis | November | Mr. Keville |
| | Mr. Saltonstall | | Mr. Parker |
| June | Mr. Saltonstall | December | Mr. Parker |
| | Mr. Trumbull | | Mrs. R. C. Curtis |

## LADIES' VISITING COMMITTEE

Mrs. Sullivan A. Sargent, Jr., *Chairman*
Mrs. Harold Peabody, *Vice-Chairman*
Mrs. John E. Thayer, Jr., *Secretary*
Mrs. Richard Cary Curtis, *Treasurer*

Mrs. Arlie V. Bock
Mrs. John E. Boit
Mrs. John Bryant
Mrs. Harry P. Cahill
Mrs. Nathaniel D. Clapp
Mrs. Livingston Davis
Mrs. Weld Douglass
Mrs. Edwin B. Dunphy
Mrs. Reginald Foster
Mrs. Trygve Gundersen
Mrs. George F. Hall
Mrs. Samuel E. Hall, Jr.
Mrs. Harold L. Higgins
Mrs. Francis T. Hunter
Mrs. Charles I. Johnson
Mrs. Varaztad H. Kazanjian
Mrs. Charles E. Mason
Mrs. William W. McCarthy
Mrs. Noel Morss
Mrs. Harris P. Mosher
Mrs. Eugene Record
Mrs. Franklin A. Reece
Mrs. John R. Richardson
Mrs. Arthur L. Richmond
Mrs. Edward J. L. Ropes
Mrs. LeRoy A. Schall
Mrs. Reginald H. Smithwick
Mrs. William B. Snow, Jr.
Mrs. Leslie Soule
Mrs. Channing Swan
Mrs. Thomas C. Thacher, Jr.
Mrs. Charles E. Thayer
Mrs. Robert Truesdale
Mrs. Frederick H. Verhoeff
Mrs. John I. Wylde

## EXECUTIVE OFFICERS

*Director*
Nathaniel W. Faxon, M.D.

*Assistant to the Director*
Annie M. Robertson, R.N.

*Executive Assistants*
Helen McCaskill, R.N.
Ruth M. Hutchinson, R.N.
Walborg L. Peterson, R.N.

*Superintendent of Nurses*
Sally Johnson, R.N.

*Assistant Superintendent of Nurses*
Dorothy M. Tarbox, R.N.

*Social Service Director*
Eunice W. Wilson

*Dietitian*
Isabel C. Nolan

*Housekeeper*
Kitrena Akins

*Occupational Therapy Director*
Helen K. Wade, O.T.R.

## STAFF
## DEPARTMENT OF OPHTHALMOLOGY

*Consulting Surgeons in Ophthalmology*

Henry H. Haskell, M.D.
Walter B. Lancaster, M.D.
Fred M. Spalding, M.D.
Peter H. Thompson, M.D.
Samuel J. McDonald, M.D.
**W. Holbrook Lowell, M.D.
Hugo B. C. Riemer, M.D.
Edward K. Ellis, M.D.
J. Herbert Waite, M.D.
Edmund W. Clap, M.D.
Henry Hawkins, M.D.
Samuel H. Wilkins, M.D.
Ralph A. Hatch, M.D.

*Consulting Chief of Ophthalmology*
Frederick H. Verhoeff, M.D.

*Chief of Ophthalmology*
*Edwin B. Dunphy, M.D.

---

* On leave of absence because of military service.

**Died March 31-1943

### *Surgeons in Ophthalmology*

Edwin B. Goodall, M.D.
Benjamin Sachs, M.D.
Paul A. Chandler, M.D.
Theodore L. Terry, M.D.
William P. Beetham, M.D.
*Virgil G. Casten, M.D.

### *Associate Surgeons in Ophthalmology*

John G. Jennings, M.D.
Ralph H. Ruggles, M.D.
Fred S. Thorne, M.D.
*Trygve Gundersen, M.D.

### *Assistant Surgeons in Ophthalmology*

David G. Cogan, M.D.
*Edward E. Covitz, M.D.
Hugh C. Donahue, M.D.
Mahlon T. Easton, M.D.
Herman P. Grossman, M.D.
Paul G. Haire, M.D.
Merrill J. King, M.D.
Brendan D. Leahey, M.D.
Harry K. Messenger, PH.D., M.D.
Albert E. Sloane, M.D.

### *Senior Clinical Assistants in Ophthalmology*

Gertrude Baldwin, M.D.
Franklyn D. Burger, M.D.
*Thomas Cavanaugh, M.D.
Julian F. Chisholm, Jr., M.D.
Samuel T. Clarke, M.D.
Carl C. Johnson, M.D.
*S. Forrest Martin, M.D.
*Earl S. Seale, M.D.
*H. Frederick Stephens, M.D.
*Garrett L. Sullivan, M.D.

### *Clinical Assistants in Ophthalmology*

Clarence H. Birdsall, M.D.
Thomas F. Capeles, M.D.
*Lawrence R. Dame, M.D.
Honoré E. Gaudreau, M.D.
Arthur M. Morrissey, M.D.
Bertha Offenbach, M.D.
Paul M. Runge, M.D.
Raymond C. Whitney, M.D.

## DEPARTMENT OF OTO-LARYNGOLOGY

### *Consulting Surgeons in Otology and Laryngology*

Frederick L. Jack, M.D.
Francis P. Emerson, M.D.
Joseph L. Goodale, M.D.
George L. Tobey, Jr., M.D.
D. Harold Walker, M.D.
*Calvin B. Faunce, M.D.
Frederick E. Garland, M.D.
Frederick L. Bogan, M.D.
Harris P. Mosher, M.D.
Harry A. Barnes, M.D.
William I. Wiggin, M.D.
Charles D. Knowlton, M.D.

### *Chief of Otology and Laryngology*

LeRoy A. Schall, M.D.

### *Surgeons in Oto-Laryngology*

George H. Poirier, M.D.
Harold G. Tobey, M.D.
Charles T. Porter, M.D.
Philip E. Meltzer, M.D.
Leon E. White, M.D.
Moses H. Lurie, M.D.

---

* On leave of absence because of military service.

*Surgeon for Tumor Clinic*
Edwards W. Herman, M.D.

*Associate Surgeon for Tumor Clinic*
Carl H. Ernlund, M.D.

*Surgeon for Plastic Operations*
Varaztad H. Kazanjian, M.D., D.M.D.

*Associate Surgeons in Oto-Laryngology*
Gustave B. Fred, M.D.
Robert L. Goodale, M.D.
Maurice G. Evans, M.D.
Francis L. Weille, M.D.
Philip Mysel, M.D.
*Charles I. Johnson, M.D.

*Assistant Surgeons in Oto-Laryngology*
*Charles H. Allman, M.D.
Walter J. E. Carroll, M.D.
*John R. Frazee, M.D.
Elmer H. Gillespie, M.D.
Edgar M. Holmes, M.D.
Vincent J. Kelley, M.D.
Burton E. Lovesey, M.D.
Werner Mueller, M.D.
Josiah E. Quincy, M.D.
John R. Richardson, M.D.

*Clinical Assistants in Oto-Laryngology*
John G. Adams, M.D.
Frank W. Brady, M.D.
*David P. Cordray, M.D.
Wilber D. Currier, M.D.
Elizabeth DeBlois, M.D.
*Joshua C. Drooker, M.D.
*Frank Gavolio, M.D.
Kenneth Kazanjian, M.D.
*Joseph Lentine, M.D.
*Donald H. Macdonald, M.D.
*Walter L. McClintock, M.D.
*Robert G. Snow, M.D.
*Herman J. Sternstein, M.D.

*Research Fellow in Otology*
Ruth P. Guilder, M.D.

*Bronchoscopist and Esophagoscopist*
*Lyman G. Richards, M.D.

*Clinical Assistant for Bronchoscopy and Esophagoscopy*
Edward B. Benedict, M.D.

*Consulting Pathologist*
Tracy B. Mallory, M.D.

*Pathologist*
Theodore L. Terry, M.D.

*Roentgenologist*
A. S. Macmillan, M.D.

*Anesthetist*
Henry K. Beecher, M.D.

---

* On leave of absence because of military service.

## HOWE LABORATORY OR OPHTHALMOLOGY

David D. Cogan, M.D.

*Acting Director*

Merrill J. King, M.D.
Elek, J. Ludvigh, PH.D.
V. Everett Kinsey, PH.D.
Morton Grant, M.D.
S. Forrest Martin, Lieut. Commander M.C., U.S.N.R.

## CONSULTANTS

### *Consulting Physicians*

James H. Means, M.D.
*F. Dennette Adams, M.D.
Fuller Albright, M.D.
Joseph C. Aub., M.D.
*Walter Bauer, M.D.
Arlie V. Bock, M.D.
William B. Breed, M.D.
*Francis R. Dieuaide, M.D.
Chester M. Jones, M.D.
Francis M. Rackemann, M.D.
Wyman Richardson, M.D.
Paul D. White, M.D.
William A. Bishop, M.D.
Roger P. Dawson, M.D.
Maurice Fremont-Smith, M.D.
*Francis T. Hunter, M.D.
*Donald S. King, M.D.
Dwight L. Siscoe, M.D.
*Howard B. Sprague, M.D.
*James H. Townsend, M.D.
*Myles P. Baker, M.D.
William W. Beckman, M.D.
*Edward F. Bland, M.D.
*Allen G. Brailey, M.D.
Austin, M. Brues, M.D.
*Walter S. Burrage, M.D.
John W. Cass, Jr., M.D.
Earle M. Chapman, M.D.
*Milton H. Clifford, M.D.
*John H. Fay, M.D.
Greene FitzHugh, M.D.
Margaret V. Grogan, M.D.
Reed Harwood, M.D.
William R. Hill, Jr., M.D.
Howard B. Jackson, M.D.
*Bernard M. Jacobson, M.D.
T. Duckett Jones, M.D.
Richard B. King, M.D.
*Alfred Kranes, M.D.
Jacob Lerman, M.D.
*Alfred O. Ludwig, M.D.
*John P. Monks, M.D.
*Robert S. Palmer, M.D.
Willard S. Parker, M.D.
Helen S. Pittman, M.D.
Milton J. Quinn, M.D.
*Charles L. Short, M.D.
*George P. Sturgis, M.D.
*John H. Talbott, M.D.
*Edward G. Thorp, M.D.
*Thomas V. Urmy, M.D.
Roy R. Wheeler, M.D.

### *Consulting Dermatologists*

C. Guy Lane, M.D.
Jacob H. Swartz, M.D.
Austin W. Cheever, M.D.
Ethel M. Rockwood, M.D.
*Myer M. Tolman, M.D.
John Adams, Jr., M.D.
G. Marshall Crawford, M.D.
Mildred Ryan, M.D.

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* On leave of absence because of military service.

## *Consulting Neurologists*

James B. Ayer, M.D.
George Clymer, M.D.
Henry R. Viets, M.D.
Charles A. McDonald, M.D.
Harry C. Solomon, M.D.
G. Colket Caner, M.D.
Charles S. Kubik, M.D.
Madelaine R. Brown, M.D.
Edwin M. Cole, M.D.
Augustus S. Rose, M.D.
*Robert S. Schwab, M.D.

## *Consulting Psychiatrists*

Stanley Cobb, M.D.
Jacob E. Finesinger, M.D.
Kenneth, J. Tillotson, M.D.
Helene Deutsch, M.D.
Erich Lindemann, M.D.
Charles S. Kubik, M.D.
*R. Barry Bigelow, M.D.
Mandel E. Cohen, M.D.
Marianna Taylor, M.D.

## *Consulting Pediatricians*

Allan M. Butler, M.D.
Richard S. Eustis, M.D.
Joseph Garland, M.D.
Edward S. O'Keefe, M.D.
J. Herbert Young, M.D.
Stewart H. Clifford, M.D.
Henry E. Gallup, M.D.
Arthur Bates Lyon, M.D.
Eli C. Romberg, M.D.
Solomon H. Rubin, M.D.
Warren R. Sisson, M.D.
Richard C. Tefft, Jr., M.D.
Oliver E. Bixby, M.D.
*Leo B. Burgin, M.D.
Ralph W. Daffinee, M.D.
Ralph A. Ross, M.D.
Nathan B. Talbot, M.D.
William J. Turtle, M.D.

## *Consulting Surgeons*

Arthur W. Allen, M.D.
*Edward D. Churchill, M.D.
Leland S. McKittrick, M.D.
Ernest M. Daland, M.D.
George A. Leland, Jr., M.D.
Henry C. Marble, M.D.
A. William Reggio, M.D.
Horace K. Sowles, M.D.
Edward L. Young, M.D.
Edward B. Benedict, M.D.
Oliver Cope, M.D.
*Henry H. Faxon, M.D.
E. Parker Hayden, M.D.
Robert R. Linton, M.D.
*Langdon Parsons, M.D.
*Horatio Rogers, M.D.
Reginald H. Smithwick, M.D.
Richard H. Sweet, M.D.
*Grantley W. Taylor, M.D.
Richard H. Wallace, M.D.
*Franklin G. Balch, Jr., M.D.
*Marshall K. Bartlett, M.D.
Bradford Cannon, M.D.
*Ward I. Gregg, M.D.
Edward Hamlin, Jr., M.D.
Champ Lyons, M.D.
*Somers H. Sturgis, M.D.
*Richard Warren, M.D.
*Claude E. Welch, M.D.

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* On leave of absence because of military service.

*Consulting Neurosurgeons*

*James C. White, M.D.
John S. Hodgson, M.D.
Jost Michelsen, M.D.

*Consulting Orthopedists*

Marius N. Smith-Petersen, M.D.
Armin Klein, M.D.
William A. Rogers, M.D.
George W. Van Gorder, M.D.
*Joseph S. Barr, M.D.
*Edwin F. Cave, M.D.
Paul L. Norton, M.D.

*Consulting Urologists*

George Gilbert Smith, M.D.
Fletcher H. Colby, M.D.
*Richard Chute, M.D.
*Sylvester B. Kelley, M.D.
*Wyland F. Leadbetter, Jr., M.D.
*Fiorinde A. Simeone, M.D.
*Howard I. Suby, M.D.

*Consulting Pathologists*

*Francis T. Hunter, M.D.
Wyman Richardson, M.D.
Benjamin Castleman, M.D.
Ronald C. Sniffen, M.D.
Charles S. Kubik, M.D.

*Consulting Bacteriologist*

Louis Dienes, M.D.

*Consulting Roentgenologists*

*Aubrey O. Hampton, M.D.
George W. Holmes, M.D.
William E. Davis, M.D.
*James R. Lingley, M.D.
Laurence L. Robbins, M.D.
Richard Schatzki, M.D.
Milford D. Schulz, M.D.
Richard Dresser, M.D.
Robert G. Vance, M.D.
*George M. Wyatt, M.D.

*Consultant in Contagious Diseases*

Edwin H. Place, M.D.

*Consultant in Preventive Medicine*

John E. Gordon, M.D.

*Consultant in Pharmacology*

Otto Krayer, M.D.

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* On leave of absence because of military service.

# HOUSE STAFF

*Residents in Ophthalmology*

Sumner D. Liebman, M.D.
John D. O'Connell, M.D.
Daniel J. Reagan, Jr., M.D.
Linus A. Sheehan, M.D.
Linley C. Happ, M.D.
Carlos H. Candray, M.D.
William F. Donoghue, M.D.

*Accessory Resident in Ophthalmology sponsored by the Pan-American Ophthalmic Conference and the Kellogg Foundation*

Alexander W. Arathoon, M.D.

*Residents in Oto-Laryngology*

Daniel Miller, M.D.
John D. Rice, M.D.
John J. Ballenger, M.D.
Donald K. Lewis, M.D.
Gaston N. Duclos, M.D.
Calvin M. Cerrato, M.D.
Herman J. Weisman, M.D.

# Brief History of the Massachusetts Eye and Ear Infirmary

THE MASSACHUSETTS EYE AND EAR INFIRMARY had its inception in the latter part of 1824 when Dr. Edward Reynolds and Dr. John Jeffries established a free clinic for the treatment of the eye in a small room in the Scollay Building situated in what is now the center of Scollay Square. It is the second oldest institution of its kind in the United States, the New York Eye and Ear Infirmary having been founded in 1820.

In the first sixteen months nearly 900 patients were treated, and so successful was the undertaking that in March, 1826, with the aid of friends, a public subscription was started and the Boston Eye Infirmary was formed. In 1827 it was formerly incorporated as the Massachusetts Charitable Eye and Ear Infirmary (changed to the Massachusetts Eye and Ear Infirmary in 1924) and shortly moved to larger quarters at the corner of Court and Tremont Streets. The Infirmary was open from 12 to 1 o'clock for gratuitous treatment of the eye and ear. In 1827 there were reported 583 cases of eye diseases and 98 of ear diseases. The receipts were $473.62 and the expenses $333.62.

By 1836 the Infirmary was so well known that one-third of the patients came from outside of Boston and 153 towns and cities were represented. Owing to the increase in the number of patients, the Infirmary was removed in 1836 to the Salisbury Building on Summer Street, and three years later the Gore mansion on Green Street near Bowdoin Square was purchased. To enable the Infirmary to do this, the Commonwealth gave $5,000 and an additional grant of $2,000 a year, for five years. Here for the first time ward patients could be accommodated to the number of twenty. Previously they had been placed in boarding houses in the neighborhood. Facilities were provided for a school of observation, as it was called, for medical students and Dr. Jeffries gave a course of lectures at the Infirmary which was followed by lectures for six successive years by Dr. Reynolds at the Tremont Medical School. Daily clinics for students were held.

By 1849 the Gore mansion had become too small to take care of the increasing number of patients, in that year 2,000. With the aid of a generous grant from the Commonwealth and funds raised by subscriptions, property on Charles Street near Cambridge Street was purchased and a new Infirmary built and dedicated in 1850. Later a wing was added. In 1871 the Ear Department was organized and by 1876 the patients in that department numbered 2,250.

The first Charles Street building, which had housed the Infirmary for over fifty years, proved inadequate, and the Out-Patient Department was much over-crowded, with an average weekly attendance of 1,200. With the aid of a grant from the Commonwealth of $100,000, the present site was purchased and the building was completed in March, 1899. Since the last Constitutional Convention the Infirmary cannot by law receive any grant from the Commonwealth. Social Service was instituted in 1907. The Gardner Building for the treatment of contagious diseases of the eye was added shortly and in 1909 a separate building was built for the Pathological Laboratory. In the same year a Nurses' Home was built on the site of the old Infirmary, to house 94 people, and later the space formerly occupied by nurses in the Infirmary was changed into a private ward. A school for graduate and affiliated nurses which gives special training in the care of diseases of the eye, ear, nose and throat is maintained.

In the year 1922 the Laryngological Department of the Massachusetts General Hospital was granted the use of beds in the Infirmary and became a department of that institution as far as its house work was concerned.

In 1925 the surgeons of the Aural and Laryngological departments appear in one group as Oto-Laryngologists.

January 1st, 1928, the Laryngological Out-Patient Department of the Massachusetts General Hospital was taken over by the Infirmary and the relations of the Aural Department with the Laryngological Department became very close. At the same time the Out-Patient Department, though still operated by the Infirmary, was joined with that of the Massachusetts General Hospital in the new building built by the latter.

Part of the space formerly occupied by the Out-Patient Department was taken for the Howe Laboratory of Ophthalmology. This was made possible through the generosity of the late Dr. Lucien Howe, who gave $250,000 towards a fund of $500,000 given to Harvard College, the income to be used for Research work. The balance of the space was given over to the Research Laboratory of the Ear, Nose and Throat Department, the X-Ray Department and the Lucien Howe Library of Ophthalmology.

Last year the Infirmary took care of 4,902 people in the public wards, 1,638 in the private wards and there were 84,370 visits to the Out-Patient Department. The active staff numbers 79, of which 22 are in military service and there are 237 paid employees.

# Report of the President

On behalf of the Board of Managers of the Massachusetts Eye and Ear Infirmary, I beg to present the One Hundred and Seventeenth Annual Report, being for the year 1942. In spite of the handicaps imposed by the War, the various activities of the Infirmary have been carried on as usual and new work has been taken on. The activities of the Winthrop Foundation with children and young adults afflicted with deafness have increased and broadened. The work of the Howe Laboratory on Government projects has expanded and the Mosher Laboratory has continued its study of problems for the National Defense Council. The Pathological Laboratory has undertaken new work.

The Staff has been very much depleted as one third of its members have entered the Service. However, a number of former members of the Staff have loyally volunteered to give a certain amount of their time and for this the Managers are very grateful. To add to the difficulties, the term of house officers has been very much shortened. It has been impossible to maintain a large enough staff of nurses and the number of other employees is inadequate to enable the Infirmary to function as we could wish. In addition we are very much handicapped on account of our inability to obtain certain supplies because of priorities.

The daily average of patients in the Public Wards was slightly less than last year, probably due to greater employment as there were fewer free patients and the collection per patient was greater, not counting the increased charge for board. Patients in the Private Ward were slightly larger in number in spite of increased prices. The number of visits to the Out-Patient Department was slightly less than last year and a slightly smaller percentage were free—about 23%.

Although the expenses were more than last year, the receipts due to increased charges were also larger, so that with gifts for special work and the allotment from the Greater Boston United War Fund the Infirmary was able to operate without a deficit, the first time in five years. Had we been able to obtain all the employees we needed, the result would have been quite different.

The members of the Ladies' Visiting Committee, as usual, have given their unselfish services which conduces so much to the comfort of the patients. In addition some of them have given certain days to the work of the Infirmary, including the Social Service and the Nursing Departments. The Red Cross Volunteer Nurses' Aides were of great assistance.

By the death of Mr. James Dean on March 1, 1942, the Infirmary lost an able and devoted Manager. Elected a Manager in 1914 and Treasurer in 1924, he had given freely of his time and it was mainly through his able management of the funds of the Infirmary that they are in their present excellent condition. He was largely responsible for the success of the One Hundredth Anniversary Campaign which raised over $400,000.

During the year, much to the regret of the Managers, Dr. George L. Tobey, Jr. resigned as appointee of the Commonwealth, but the Infirmary was fortunate in the appointment of his successor, Dr. D. Harold Walker, who has long been connected with the Infirmary. Mr. Edmund V. Keville was elected a Manager to fill the vacancy caused by the death of Mr. Dean.

During the year the Infirmary lost by death two members of the Consulting Staff—Dr. Allen Greenwood who had been officially associated with the Infirmary since 1932 though he had been closely identified with the hospital for a number of years prior to that; and Dr. Edwin E. Jack who had been connected with the Infirmary since 1887. We have also to record the death of Mrs. Lucien Howe, wife of the founder of the Howe Laboratory of Ophthalmology, who had always maintained a great interest in the Infirmary, particularly in the Howe Library which she helped in many ways.

On behalf of the Managers I desire particularly to record their gratitude to the Staff and Employees who have so devotedly served the Infirmary in this unusually difficult year.

R. G. Fessenden
*President*

# Report of the Treasurer

## BALANCE SHEET

December 31, 1942

### Assets

| | | |
|---|---|---|
| Land and buildings—book value | | $ 491,741.99 |
| Investments—book value: | | |
| Interest in two parcels of real estate | $ 2.00 | |
| Securities, etc. | 1,992,081.61 | 1,992,083.61 |
| Cash on hand: | | |
| Capital account | $ 122,394.59 | |
| Income account | 4,207.62 | 126,602.21 |
| Accounts receivable from patients (less reserve) | $ 6,605.42 | |
| Accounts receivable—miscellaneous | 5,101.88 | 11,707.30 |
| Inventories of supplies, etc. | | 17,874.92 |
| TOTAL ASSETS | | $2,640,010.03 |

### Funds and Liabilities

| | |
|---|---|
| General Funds | $1,473,120.54 |
| Permanent Funds—Income Restricted | 234,530.88 |
| Permanent Funds—Income Unrestricted | 911,341.61 |
| Special Purpose Funds | 11,060.57 |
| Unexpended Restricted Income | 4,207.62 |
| Accounts payable and advances from patients | 5,748.81 |
| TOTAL FUNDS AND LIABILITIES | $2,640,010.03 |

## INCOME ACCOUNT

*For the year ended December 31, 1942*

| | | |
|---|---|---|
| Hospital Income | | $380,498.75 |
| Hospital Expenses | $490,244.90 | |
| Treasurer's Expenses | 4,235.03 | 494,479.93 |
| Excess of Expenses over Hospital Income | | $113,981.18 |
| Income from Investment Securities, less income applicable to Restricted Funds | $ 77,989.91 | |
| Transfer from Special Purpose Funds | 16,946.30 | |
| Receipts from Community Federation of Boston, Committee of the Permanent Charity Fund, Estate of Charles G. Green, Estate of Elisha V. Ashton, Estate of G. Gorham Peters, and others (excluding contributions for special purposes) | 29,860.01 | 124,796.22 |
| Excess of Income over Expenditures on Income Account | | $ 10,815.04 |

Horace W. Frost
*Treasurer*

Patterson, Teele and Dennis
*Auditors*

## INVESTMENT SECURITIES

*December 31, 1942*

### U. S. Government

| BONDS | |
|---|---|
| $63,000 | U. S. Treasury Bond 3¼%, October 15, 1945 |
| 20,000 | U. S. Treaury Bond 2¾%, September 15, 1947 |
| 10,000 | U. S. Treasury Bond 3%, June 15, 1948 |
| 50,000 | U. S. Savings Bond "G" Reg. Taxable 2½%, June 1, 1953 |
| 26,000 | U. S. Treasury Bond Taxable 2½%, March 15, 1954 |
| 25,000 | U. S. Savings Bond "G" Reg. Taxable 2½%, June 1, 1954 |
| 35,000 | U. S. Treasury Bond 2¾%, June 15, 1954 |
| 32,000 | U. S. Treasury Bond Taxable 2¼%, June 15, 1955 |
| 30,000 | U. S. Treasury Bond Taxable 2½%, March 15, 1958 |
| 36,000 | U. S. Treasury Bond 2¾%, June 15, 1963 |
| 27,500 | U. S. Treasury Bond Taxable 2½%, September 15, 1972 |

### CANADIAN GOVERNMENT

| | |
|---|---|
| 20,000 | Canada, Dominion of 3¼%, January 15, 1961 |
| 10,000 | Canada, Dominion of 2¼%, January 15, 1944 |
| 20,000 | Canada, Dominion of 5%, May 1, 1952 |
| 25,000 | Canada, Dominion of 3%, November 15, 1968 |

### RAILS

| | |
|---|---|
| 20,000 | Albany & Susquehanna Railroad Reg. 3½s 1946 |
| 20,000 | Atchison Topeka & Santa Fe Railway Co. General 4s 1995 |
| 5,000 | Boston & Maine Railroad 4s 1960 |
| 12,500 | Boston & Maine Railroad "A" 4½s 1970 |
| 25,000 | Canadian Pacific Railway Equipment Trust 5s 1944 |
| 10,000 | Chesapeake & Ohio Railway Company General 4½s 1992 |
| 10,000 | Erie Railroad Co. 1st Consolidated "B" 4s 1995 |
| 10,000 | Great Northern Railway Company General 3¾s 1967 |
| 15,000 | Jacksonville Terminal Company Ref & Ext "A" 5s 1967 |
| 15,000 | Lake Shore & Michigan Southern Ry Co. Registered 3½s 1997 |
| 7,000 | Louisville & Jeffersonville Bridge Company 4s 1945 |
| 15,000 | Maine Central Railroad Co. 1st 4s 1945 |
| 10,000 | Michigan Central Railroad Company 1st 3½s 1952 |
| 20,000 | Missouri Pacific Railroad Company 1st & Refunding C/D 5s 1977 |
| 15,000 | Northern Pacific Railroad Co. Gen. Lien & Land Grant 3s 2047 |
| 15,000 | Pennsylvania Railroad 4¼s 1981 |
| 20,000 | Southern Pacific Company 4½s 1969 |

### UTILITIES

| | |
|---|---|
| 10,000 | American Telephone & Telegraph Company 3¼s 1966 |
| 15,000 | Bell Telephone Co. of Canada 5s 1960 |
| 15,000 | Blackstone Valley Gas & Electric Company 4s 1965 |
| 10,000 | Butte Electric & Power Company 1st 5s 1951 |
| 10,000 | Central New York Power Corporation General 3¾s 1962 |
| 8,500 | Chicago City Railway Company C/D 1st 5s 1927 |
| 10,000 | Cincinnati Gas & Electric Company 1st 3½s 1967 |
| 15,000 | Eastern Massachusetts Street Railway Co. 4½s 1948 |
| 20,000 | Florida Power & Light Company 1st 5s 1954 |
| 10,000 | Hudson & Manhattan Railroad Company 5s 1957 |
| 20,000 | Illinois Power & Light Company 1st & Refunding 5s 1956 |
| 10,000 | Mississippi River Power Company 1st 5s 1951 |
| 20,000 | Montana Power Company 1st 3¾s 1966 |
| 15,000 | Ohio Edison Company 1st 4s 1967 |
| 15,000 | Philadelphia Electric Co. 1st & Refunding 3½s 1967 |
| 15,000 | Public Service Company of Indiana 1st 4s 1969 |
| 20,000 | Puget Sound Power & Light Co. 1st & Refunding 5½s 1949 |
| 19,000 | Safe Harbor Water Power Corporation 4½s 1979 |

| | |
|---|---|
| 15,000 | Southern Bell Telephone & Telegraph Co. Debenture 3¼s 1962 |
| 20,000 | Utah Power & Light Company 1st 5s 1944 |
| 15,000 | Virginia Electric & Power Company 1st & Refunding 3½s 1968 |
| 10,000 | Western Union Telegraph Company 5s 1960 |

### Industrials

| | |
|---|---|
| 10,000 | Armour & Company of Delaware 4s 1955 |
| 15,000 | Bethelehem Steel Corp. 3¼s 1959 |
| 14,000 | International Paper Company 1st & Refunding 5s 1947 |
| 14,000 | National Steel Corp. 3s 1965 |
| 20,000 | Shell Union Oil Corp. 2½s 1954 |

### Sundry

| | |
|---|---|
| 15,000 | Adams Express Company Collateral 4s 1948 |

### Common

| STOCKS | |
|---|---|
| 300 shares | American Can Company |
| 410 shares | Amerian Telephone & Telegraph Company |
| 204 shares | Atchison Topeka & Santa Fe Railway Company |
| 300 shares | Bankers Trust Company |
| 500 shares | Borden Company |
| 400 shares | Boston Edison Company |
| 100 shares | Boston Real Estate Trust |
| 100 shares | Central Hanover Bank & Trust Company |
| 200 shares | Chemical Bank & Trust Company |
| 500 shares | Commonwealth Edison Company |
| 200 shares | Consolidated Gas Electric Light & Power Co. of Baltimore |
| 25 shares | Dwelling House Associates |
| 150 shares | Eastman Kodak Company |
| 150 shares | Firemans Fund Insurance Company |
| 500 shares | First National Bank of Boston |
| 1,200 shares | General Electric Company |
| 400 shares | General Motors Corporation |
| 150 shares | Guaranty Trust Company of New York |
| 300 shares | Hartford Fire Insurance Company |
| 105 shares | International Business Machines Corporation |
| 200 shares | International Harvester Company |
| 100 shares | Liggett & Myers Tobacco Company |
| 200 shares | Liggett & Myers Tobacco Company, common "B" |
| 100 shares | Ludlow Manufacturing & Sales Company |
| 200 shares | National Biscuit Company |
| 500 shares | National Shawmut Bank of Boston |

| | |
|---|---|
| 116 shares | New England Telephone & Telegraph Company |
| 200 shares | New York Central Railroad Company |
| 200 shares | Pennsylvania Railroad Company |
| 500 shares | Phillips Petroleum Company |
| 300 shares | Phoenix Insurance Company of Hartford |
| 202 shares | Proctor & Gamble Company |
| 600 shares | Standard Oil Company of New Jersey |
| 500 shares | Swift & Company |
| 180 shares | Tacoma Transit Company |
| 500 shares | Texas Company |
| 300 shares | Torrington Company, Maine |
| 400 shares | Union Carbide & Carbon Corporation |
| 100 shares | Union Pacific Railroad Company |
| 200 shares | United Fruit Company |
| 200 shares | United Shoe Machinery Corporation |
| 200 shares | United States Gypsum Company |

## PREFERRED

| | |
|---|---|
| 150 shares | American Sugar Refining Company |
| 200 shares | Cleveland Electric Illuminating Company $4.50 preferred |
| 250 shares | Connecticut Light & Power Company $2.20 preferred |
| 200 shares | Consolidated Edison Company of New York, $5.00 preferred |
| 100 shares | Electric Bond & Share Company $6.00 preferred |
| 150 shares | Safeway Stores, Incorporated |
| 200 shares | Southern Railway Company |
| 300 shares | United States Steel Corporation |

## SECURITIES HELD FOR WEBER FUND

| BONDS | |
|---|---|
| $ 500 | U. S. Treasury Bonds 3¼%, October 15, 1945 |
| 5,000 | U. S. Treasury Bonds 2%, December 15, 1947 |
| 1,000 | U. S. Treasury Bond Taxable 2%, March 15, 1950 |
| 500 | U. S. Treasury Bonds 2⅞%, March 15, 1960 |
| 1,000 | U. S. Treasury Bonds 2¾%, June 15, 1963 |

*The Managers gratefully acknowledge receipt of the following legacies during the year 1942:*

| | |
|---|---|
| Estate of Perry O. Allen<br>"In honor of Jessie Adell Allen Phelps" | $ 1,000.00 |
| Estate of Charles H. Beverly | 500.00 |
| Estate of Miss Minnie Ward Brett | 20,000.00 |
| Estate of George Green Cook<br>Final distribution, making a total of $6,598.98 | 15.30 |
| Estate of Alfred E. Haines<br>Additional, making a total of $9,100 | 2,100.00 |
| Estate of Thomas D. Mann | 100.00 |
| Estate of Herbert M. Sears | 2,000.00 |
| Estate of John P. Thomas | 50.00 |
| Estate of Miss Emma Frances Williams | 1,000.00 |
| | $26,765.30 |

| | |
|---|---|
| Gift by the Trustees of the Paul Wilde Jackson Trust<br>To be added to the Fund known as the "Henry Clay Jackson Fund," income only to be used to help children afflicted or threatened with deafness, making a total of $59,459.87. | $34,459.87 |
| Gift by Lawrence F. Berry and George T. Berry, Jr., Trustees under Agreement of Trust dated September 5, 1939, for benefit of George Y. Berry and Inez May Berry, et al, in accordance with Article c. of the Agreement of Trust | 200.00 |
| John and Martha Lawrence Fund<br>Additional, making a total of $9,118.42.<br>Principal and income to be at the disposal of the Ladies' Visiting Committee. | 1,025.68 |
| | $62,450.85 |

## PERMANENT FUNDS—INCOME RESTRICTED

| | | |
|---|---|---|
| 1876 | Bequest under Will of Miss Susan P. Gray<br>Income to be applied to the relief and assistance of poor patients of the Infirmary. | $ 1,000.00 |
| 1882 | Berkshire Fund<br>Gift of Zenas M. Crane to establish a free bed to be known as the "Berkshire Bed," and to be used by preference by patients coming from Pittsfield, Massachusetts, or the adjacent locality. | 5,000.00 |
| 1889 | Bequest under Will of Elisha T. Loring<br>Income to be applied for the benefit of destitute patients. | 3,500.00 |
| 1898 | John W. and Belinda L. Randall Fund<br>Income, so far as practical, to be used to increase and diffuse knowledge in relation to health and disease of the eye and ear. | 30,000.00 |
| 1898 | The Frederick E. Weber Fund<br>Bequest under the will of Frederick E. Weber to be designated "The Frederick E. Weber Fund." One-half of the net income of the Fund and of its accumulations in each year shall each year be expended for the charitable purposes of the Infirmary. | 8,857.06 |
| 1899 | The Theodore Chase Memorial Fund<br>Gift of Mrs. Theodore Chase to establish "The Theodore Chase Memorial Fund." Income to be used for books and magazines for aural patients. | 2,500.00 |
| 1901 | Aural Surgeons' Fund<br>Gift of Dr. Clarence J. Blake to provide a fund to be known as the "Aural Surgeons' Fund." Income to be spent by the Surgeons only in the Aural Department. | 16,152.40 |
| 1901 | Bequest under Will of Henry Saltonstall<br>Annual income to be applied in equal shares to the Aural and Ophthalmic Departments. | 10,000.00 |

| | | |
|---|---|---|
| 1909 | Bequest under Will of Frederick R. Sears<br>Income to be used in any way that may add to the happiness and comfort, or that may tend to lighten the weary hours, of those unfortunates who may be afflicted with diseases of the eye, by rendering assistance to the families of such as are deserving and poor, and by providing such extra comforts to them and their families as may seem proper to the officers of the Infirmary. | $ 20,000.00 |
| 1912 | The Fund for the Maintenance of the Gardner Building<br>Gift of Mr. Shepherd Brooks. | 21,433.03 |
| 1912 | Social Service Fund<br>Gift of Mrs. Shepherd Brooks. | 5,000.00 |
| 1914/15 | Bequest under Will of William S. Hills<br>Income only to be used for free patients. | 10,000.00 |
| 1916 | Bequest under Will of Mitchell A. Dearborn<br>Income to be used for Social Service work. | 1,000.00 |
| 1923 | William F. Watson Free Bed Fund<br>Bequest under will of Catherine E. Watson to establish a free bed in the Aural Department, to be known as the "William F. Watson Free Bed." | 6,000.00 |
| 1928 | Mary Lowell Stone Fund<br>Gift of Miss E. F. Munroe to establish a fund to be designated the "Mary Lowell Stone Fund," income to be used for needy, deserving patients. | 2,450.00 |
| 1932/42 | George Strong Derby Memorial Fund<br>Income to be applied annually under the direction of the Board of Surgeons and the Board of Managers to continue the work of Doctor Derby along medical-social service lines. | 13,060.10 |

| | | |
|---|---|---|
| 1938 | Bequest under Will of Charlotte S. Sprague<br>For the endowment of a free bed in memory of Elizabeth J. Ward, the occupancy of said bed to be designated by the Rector of Emmanuel Church in Boston. | $ 10,000.00 |
| 1941/42 | Henry Clay Jackson Fund<br>Gift by the Trustees of the Paul Wilde Jackson Trust to establish a fund to be known as the "Henry Clay Jackson Fund," income only to be used to help children afflicted or threatened with deafness. | 59,459.87 |
| 1938/42 | The John and Martha Lawrence Fund<br>Established by the Ladies' Visiting Committee. | 9,118.42 |

## PERMANENT FUNDS—INCOME UNRESTRICTED

| | | |
|---|---|---|
| 1850 | Bequest under Will of John Bromfield | $ 10,000.00 |
| 1871 | Joy Fund<br>Bequest under will of Miss Nabby Joy to be designated the "Joy Fund." | 10,000.00 |
| 1882 | Nathaniel Thayer Fund<br>Gift of Mr. Nathaniel Thayer to be known as the "Nathaniel Thayer Fund." | 54,570.00 |
| 1887 | Perkins Fund<br>Bequest under will of Richard Perkins to be known as the "Perkins Fund." | 10,000.00 |
| 1890 | Ellen M. Gifford Fund<br>Bequest under will of Mrs. Ellen M. Gifford to be called the "Ellen M. Gifford Fund." | 5,000.00 |
| 1891 | Bequest under Will of J. Huntington Wolcott | 1,500.00 |
| 1895 | Bequest under Will of Samuel E. Sawyer | 2,382.20 |
| 1896/97 | Ann White Vose Fund | 18,591.54 |
| 1898 | Bequest under Will of Henry L. Pierce | 20,000.00 |
| 1907 | Adelaide Le Compte Spalding Fund<br>Gift of Francis D. LeCompte in memory of Adelaide LeCompte Spalding | 25,000.00 |
| 1912 | Julia M. Moseley Fund | 6,190.47 |
| 1915 | Bequest under Will of Harriet Otis Cruft | 10,000.00 |
| 1921 | Bequest under Will of Clara B. Kimball | 1,050.00 |
| 1921 | Charles Frederick Smith Fund<br>Bequest under will of Charles Frederick Smith to be known as the "Charles Frederick Smith Fund." | 8,663.00 |
| 1923 | Bequest under Will of Harriet S. Hazeltine | 13,000.00 |
| 1924/36 | Bequest under Will of Joseph B. Glover | 28,936.58 |

| | | |
|---|---|---|
| 1924 | Anna P. Rogers Fund<br>Bequest under will of Anna P. Rogers to be known as the "Anna P. Rogers Fund." | $ 10,000.00 |
| 1927 | Alice-Lee Thomas Stevenson Fund<br>Gift of Robert H. Stevenson, Jr. to establish a fund to be known as the "Alice-Lee Thomas Stevenson Fund." | 10,000.00 |
| 1927 | Charles C. Ely Fund | 5,000.00 |
| 1927 | Dr. E. H. Bradford Fund<br>Gift of Mrs. Edith Fiske Bradford in memory of her husband to establish a fund to be known as the "Dr. E. H. Bradford Fund." | 1,000.00 |
| 1927 | Levina B. Urbino Fund<br>Bequest under will of Samson R. Urbino to establish a fund to be known as the "Levina B. Urbino Fund." | 500.00 |
| 1927 | Walter C. Lewis Fund | 25,000.00 |
| 1931 | Henry A. Page Fund<br>Bequest under will of Ellen Page Hall to be known as the "Henry A. Page Fund." | 30,000.00 |
| 1931/32 | George C. Pierce Fund<br>Bequest under will of Merrill L. Pierce to be known as the "George C. Pierce Fund." | 34,251.95 |
| 1931/41 | Bequest under Will of Elizabeth R. Stevens | 543,196.68 |
| 1934 | Bequest under Will of Hannah Hathaway Kimball | 1,000.00 |
| 1935 | Henry Clay Jackson Fund<br>Gift by the Trustees of the Paul Wilde Jackson Trust to be known as the "Henry Clay Jackson Fund." | 25,500.00 |
| 1936/39 | George W. Butterfield Fund<br>Bequest under will of Helen C. Butterfield to be known as the "George W. Butterfield Fund." | 1,009.19 |
| 1942 | Bequest under Will of Charles H. Beverly | 500.00 |

## UNRESTRICTED BEQUESTS

| | | |
|---|---|---|
| 1914 | Allen, Caroline B. | $ 5,000.00 |
| 1942 | Allen, Perry O.<br>"In honor of Jessie Adell Allen Phelps" | 1,000.00 |
| 1930 | "Anonymous," from a patient of Dr. George S. Derby | 2,000.00 |
| 1941 | Applebee, Mrs. Louie G. | 500.00 |
| 1905 | Appleton, Emily W. | 2,000.00 |
| 1892 | Ashton Elisha Vinton<br>Annual income from a trust established under his will. | |
| 1859 | Austin, Mrs. Agnes | 1,000.00 |
| 1914 | Bartlett, Francis | 10,000.00 |
| 1889 | Bartlett, Sidney | 5,000.00 |
| Prior to 1835 | Belknap, Jeremiah | 1,000.00 |
| Prior to 1835 | Belknap, Miss Mary | 1,000.00 |
| Prior to 1835 | Belknap, Sarah | 1,500.00 |
| 1930 | Bernstein, William | 100.00 |
| 1900/02 | Billings, Robert C. | 50,000.00 |
| 1938/41 | Bird, Harriet E. | 31,650.05 |
| 1929 | Black, George Nixon | 10,000.00 |
| 1873 | Blanchard, John A. | 1,000.00 |
| 1926 | Blodgett, Albert N.<br>Annual income from a trust established under his will. | |
| 1906 | Bolton, William T. | 552.22 |
| 1871 | Bordman, M. A. | 100.00 |
| 1910 | Boyd, George William | 5,000.00 |
| 1898/41 | Bradlee, Josiah Putnam | 267,391.24 |
| 1914/27 | Bradstreet, Charlotte A. | 23,273.50 |
| 1942 | Brett, Miss Minnie Ward | 20,000.00 |
| 1934 | Brewster, William | 10,000.00 |
| 1941 | Briggs, Clara H. | 3,000.00 |
| 1924 | Brigham, Robert B.<br>Annual income from a trust established under his will. | |
| 1936/38 | Brooks, Martha H. | 11,070.73 |
| 1885 | Brooks, Mrs. Susan O. | 1,000.00 |
| 1930 | Brown, Miss Annie H. | 20,000.00 |
| 1845 | Brown, John | 200.00 |
| 1902/03 | Browne, Edward I. | 10,000.00 |
| 1904 | Center, Joseph H. | 1,000.00 |

| | | |
|---|---|---|
| 1896 | Cheney, Benjamin P. | $ 2,000.00 |
| 1898 | Colburn, Eliza Ann | 5,000.00 |
| 1938 | Comee, Lillian M. | 200.00 |
| 1933/42 | Cook, George Green | 6,598.98 |
| 1939 | Crosby, Mary Celia | 2,000.00 |
| 1938/39 | Crowell, Mary Louise | 12,582.41 |
| 1934 | Curtis, Louis | 2,500.00 |
| 1923 | Cushing, Herbert B. | 1,000.00 |
| 1877 | Dalton, Delia | 50.00 |
| 1861 | Dalton, P. R. | 500.00 |
| 1873 | deRohbinder, Elise | 87.50 |
| 1929 | Dix, John H. | 50.00 |
| 1933/41 | Eaton, Lucy H. | 62,950.00 |
| 1933/39 | Eaton, Mary Agnes | 3,750.92 |
| 1929 | Eaton, William | 500.00 |
| 1923 | Estabrook, Arthur F. | 10,000.00 |
| 1925 | Estabrook, Ida F. | 10,000.00 |
| 1904 | Farlow, John S. | 2,500.00 |
| 1933/34 | Field, Edward B. | 500.00 |
| 1940 | Gardner, George Peabody | 10,000.00 |
| 1896 | Glover, Albert | 1,000.00 |
| 1902 | Glover, Joseph B. | 5,000.00 |
| 1901 | Goddard, Rebecca A. | 500.00 |
| 1929/30 | Goldsmith, Benjamin H. | 1,824.67 |
| 1886/87 | Goldsmith, Mrs. Sophia P. | 759.84 |
| 1844 | Gossler, Gustavus | 1,000.00 |
| 1884 | Gray, Miss Ann E. | 1,000.00 |
| 1924/25 | Green, Charles G.<br>Also annual income from a trust established under his will. | 36,214.02 |
| 1863 | Greene, B. D. | 2,000.00 |
| 1941 | Grout, Mrs. Zira R. | 5,000.00 |
| 1898 | Hagerty, Peter F. | 2,556.25 |
| 1941/42 | Haines, Alfred E. | 9,100.00 |
| 1874 | Hammond, Daniel | 509.17 |
| 1904 | Hayden, Charles H. | 50,000.00 |
| 1933 | Hazlett, John P. | 2,500.00 |
| 1884 | Homer, Albert | 60.50 |
| 1871 | Homer, Sidney | 1,000.00 |
| 1879 | Hovey, G. O. | 2,000.00 |
| 1873/74 | Hudson, Benjamin | 22,308.97 |
| 1889 | Hunt, Moses | 1,000.00 |
| 1940 | Hurd, Charles Russell | 500.00 |
| 1853 | Ingersoll, James | 1,000.00 |
| 1836 | Jackson, Miss Sarah | 600.00 |

| | | |
|---|---|---|
| 1871 | Joy, Miss Nabby | $ 5,000.00 |
| 1926 | Kimball, Miss Lulu S. | 3,000.00 |
| 1896 | Kimball, Moses | 5,000.00 |
| 1912 | Lamson, Miss Catherine M. | 2,000.00 |
| 1879/91 | Lane, Miss Henrietta | 7,114.71 |
| 1871 | Lawrence, Abbott | 1,500.00 |
| 1858 | Lawrence, Mrs. Susan | 500.00 |
| 1875 | Lee, Rebecca | 1,000.00 |
| 1868 | Loring, Abigail | 5,017.33 |
| 1900 | Lowell, Augustus | 10,000.00 |
| 1909 | Lyman, Florence | 7,811.46 |
| 1939 | Mace, Marjorie J. | 1,000.00 |
| 1942 | Mann, Thomas D. | 100.00 |
| 1935 | McCrossen, Patrick H. | 25.00 |
| 1878 | McGregor, James | 1,000.00 |
| 1907 | Merriam, Charles | 5,000.00 |
| 1912 | Morse, Mrs. Samuel T. | 500.00 |
| 1940 | Morss, John Wells | 10,000.00 |
| 1924/30 | Moseley, Frances A. | 31,782.50 |
| 1844 | Munson, Israel | 3,000.00 |
| 1935/39 | Newcomb, Miss Lucy | 976.25 |
| 1900/03 | Parker, Elizabeth P. | 27,220.16 |
| 1845 | Parker, John | 5,000.00 |
| 1924 | Parkman, Henry | 2,500.00 |
| 1935 | Parlin, Albert Norton, Trustees under Will Free Bed Fund | 25,000.00 |
| 1838 | Payne, William C. | 10,000.00 |
| 1940 | Peavy, Silas<br>Free Bed Fund | 1,000.00 |
| 1929 | Perkins, Isabella S. | 5,000.00 |
| 1900 | Peters, Edward D. | 500.00 |
| 1939 | Peters, G. Gorham<br>Annual income from a trust established under his will. | |
| 1860 | Phillips, Jonathan | 5,000.00 |
| 1863/64 | Pickens, John | 863.38 |
| 1941 | Pierce, Clara F. | 933.33 |
| 1906/07 | Potter, Sarah E. | 88,330.50 |
| 1878 | Powars, Eliza | 2,000.00 |
| 1915/27 | Pratt, Sarah E. | 2,988.34 |
| 1871 | Read, James | 500.00 |
| 1880 | Reynolds, J., legacy received through | 100.00 |
| 1927 | Riley, William J. | 5,000.00 |
| 1939 | Ross, Ellen H.<br>"In name and memory of my sister, Mary E. Haven." | 5,000.00 |

| | | |
|---|---|---|
| 1912 | Rotch, Arthur | $ 14,326.30 |
| 1903 | Ruggles, Mary Louisa | 3,000.00 |
| 1911/13 | Rust, Nancy E. | 2,640.00 |
| 1887/88 | Scholfield, Ann | 4,250.00 |
| 1891 | Scholfield, Joseph | 2,500.00 |
| 1942 | Sears, Herbert M. | 2,000.00 |
| 1918 | Sewall, Richard Black | 25,000.00 |
| 1930 | Smith, Miss Ellen Vose | 29,793.70 |
| 1936 | Sohier, Emily L.<br>"To be added to the George Strong Derby Memorial Fund." | 3,000.00 |
| 1887 | Somes, Miss Abby | 5,000.00 |
| 1920 | Spencer, Aaron W. | 2,000.00 |
| 1925 | Sweeney, Christopher F. | 50.00 |
| 1894 | Sweetser, Mrs. Anne M. | 1,000.00 |
| 1884 | Swett, Mrs. Mary W. | 2,000.00 |
| 1874 | Templeton, John | 5,000.00 |
| 1897 | Thayer, Mrs. Cornelia V. R. | 10,000.00 |
| 1942 | Thomas, John P. | 50.00 |
| 1923/28 | Thompson, Joseph | 3,761.09 |
| 1897 | Tileston, Charles | 2,797.30 |
| 1941 | Tucker, Lena A. | 5,000.00 |
| 1896 | Turner, Mary B. | 2,000.00 |
| 1921 | Upton, George B. | 5,000.00 |
| 1881 | Upton, Mrs. George B. | 500.00 |
| 1924 | Vialle, Charles A. | 3,000.00 |
| 1920 | Vose, Abbie T. | 1,014.90 |
| 1914 | Wadleigh, Horace W. | 2,000.00 |
| 1845 | Waldo, Daniel | 6,000.00 |
| 1934 | Welton, John C. | 4,000.00 |
| 1916 | Wheelwright, John W. | 2,000.00 |
| 1902 | White, Susan J. | 10,000.00 |
| 1942 | Williams, Miss Emma Frances | 1,000.00 |
| 1935 | Willson, Mary A. | 3,000.00 |
| 1934 | Wilson, Annie C. | 1,002.19 |
| 1912 | Wolcott, Harriet Frothingham | 5,532.00 |
| 1932 | Woods, Henry D. | 5,000.00 |
| 1897 | Wyman, Thomas T. | 20,000.00 |
| 1895 | Kettell, Catherine H.<br>Gift "In memory of Louisa C. Kettell." | 300.00 |
| 1942 | Gift by Lawrence F. Berry and George Y. Berry, Jr., Trustees under Agreement of Trust dated September 5, 1939, for benefit of George Y. Berry and Inez May Berry, et al, in accordance with Article c. of the Agreement of Trust | 200.00 |
| 1927/29 | One Hundredth Anniversary Campaign Fund | 406,107.80 |

# Report of the Ladies' Visiting Committee

THE LADIES' VISITING COMMITTEE consists of 40 members. During the year meetings were held in the Surgeons' Library every second Wednesday in the month from October through June, with an average attendance of ten.

The annual Rummage Sale was held in the Spring as usual. Rummage was difficult to get but we cleared $1,164.63. Some furniture and other things were given to us too late for the Sale, so it was decided to have another small Sale in the Fall rather than pay storage on the things through the winter. This last Sale netted us $429.69 making a total of $1,594.32. We put $700 into the John and Martha Lawrence Fund which brought the Fund up to about $9,000.00.

During the year $100 was given by the Committee to the Artificial Larynx Fund and $250 for supplies for the Occupational Therapy Department. One of our members gave the desk where the records of patients treated for Emergencies are compiled. Two of our Committee are in charge of this work three half days a week. They take the patients to the Clinics and record the necessary information in the Emergency Book. Other members have visited, and one of our Committee has worked in the Admitting Clerks' Office two mornings a week.

We have had new slip covers made for the furniture in the living room at the Nurses' Home, have supplied the daily papers, and the *Saturday Evening Post* and *Good Housekeeping* magazines for them. One of our members also sent money for the Christmas party.

We bought and wrapped Christmas presents for all the patients who were in the Wards on Christmas Day and one of our Committee gave and wrapped toys for the children who were in the Nursery at that time. Others contributed 25 pounds of candy, a dozen poinsettia plants and a wreath for the front door. Instead of the usual Christmas decorations which were not allowed on account of the fire hazard, the Committee gave fruit for the patients and for the doctors' and nurses' tables.

We who have been working at the Infirmary have found it exceedingly interesting and feel that it is the best way to become acquainted with the Hospital and its needs. We want to thank Miss Robertson and all those who work with her, for their unfailing courtesy and patience and to express our admiration for the work being carried on so efficiently and so uncomplainingly under such trying conditions.

HELEN M. SARGENT
*Chairman, Ladies' Visiting Committee*

# Report of the Director

To the Managers:

Herewith I submit my eighth report as Director and the report for the year 1942.

The War has affected every activity of the Infirmary. Twenty seven members of the Staff have been granted leave of absence for military duty without loss of seniority. Eleven nurses resigned to enter the Army Nurses' Corps and twelve other employees left to enter Services, a loss of fifty active members. Many other employees have left to take up more lucrative jobs so that the labor situation in all groups has often been critical. Only by reason of the loyalty and determination of the remaining nurses and personnel and by the help of volunteers from the Ladies' Visiting Committee, Red Cross Nurses' Aides and volunteers from other sources have we been able to carry on. Special mention should be made of the leadership of Mrs. Sargent and the excellent work done by the Ladies' Visiting Committee in setting up and operating a volunteer service at the Front Desk. Of course their annual rummage sale was the usual outstanding financial success.

A study of the comparative table of admissions on page 42 shows a continuing drop in the work done by the Infirmary. This decline is present in every department. No satisfactory reason is apparent. No concern should be felt. The need of an Infirmary such as this is so obvious.

Research other than that on Government projects has been practically abandoned.

Attention is called to the report of the Refraction Room by Dr. A. E. Sloane. This is a new report and reflects the important work done by this department.

Financially the Infirmary had a good year since there was no deficit and consequently no withdrawal from capital. The operating deficit was less than last year since income rose more rapidly than expense. Although salaries and wages were increased 5% the reduction in numbers of personnel kept the total down. Supplies remained about the same due largely to reduced number of patients' days.

The outstanding social event of the year was the Christmas Party held in the Nurses' Home for employees who had served twenty years or more. Dr. Burton E. Lovesey acted as Town Crier and after an appropriate speech, presented a small gift from the Managers to each employee.

| | | | |
|---|---|---|---|
| John Blood | June 20, 1912 | Anne Raymond | Aug. 2, 1920 |
| Mary Mungovin | June 18, 1915 | Winifred Glidden | Feb. 8, 1921 |
| Charles Fowler | Oct. 18, 1915 | Mary Hayden | Mar. 24, 1921 |
| Ellen McCann | Aug. 1, 1918 | William S. Ripley | Oct. 3, 1921 |
| Florence Morrissey | Aug. 4, 1919 | Helen F. Kirwin | Dec. 28, 1921 |
| Dr. A. S. Macmillan | Dec. 1, 1919 | Elizabeth Farley | Mar. 20, 1922 |
| Margaret MacDonald | June 7, 1922 | | |

Gifts are acknowledged from Dr. Allen R. Powers, Mrs. Reginald Foster, Mr. Charles P. Curtis, Mrs. Edward R. Newton, the Ladies' Visiting Committee, the Needlework Guild of America and the American Red Cross Metropolitan Chapter.

## STAFF CHANGES

### Board of Managers:

*Resignations:*

Dr. George L. Tobey, Jr., Manager. Appointed by The Commonwealth November 1, 1939; resigned September 2, 1942.

*Appointments:*

Mr. Edmund V. Keville, Manager. Elected September 9, 1942.

Dr. D. Harold Walker, Manager. Appointed by The Commonwealth, November 12, 1942.

### Surgical Staff:

*Appointments:*

Dr. Frank W. Brady, January 19, 1942, Clinical Assistant in Oto-Laryngology.

Dr. Paul M. Runge, January 19, 1942, Clinical Assistant in Ophthalmology.

Dr. A. William Collinson, February 16, 1942, Clinical Assistant in Ophthalmology.

Dr. Ralph A. Hatch, September 10, 1942, Consulting Surgeon in Ophthalmology.

Dr. Carl C. Johnson, October 19, 1942, Senior Clinical Assistant in Ophthalmology.

Dr. Joseph C. Kelly, November 16, 1942, Senior Clinical Assistant in Ophthalmology.

Dr. Wilber D. Currier, December 21, 1942, Clinical Assistant in Oto-Laryngology.

*Deaths:*

- Mr. James Dean, Treasurer, March 1, 1942.
- Dr. Allen Greenwood, Consulting Surgeon in Ophthalmology, October 24, 1942.
- Dr. Edwin E. Jack, Consulting Surgeon in Ophthalmology, November 16, 1942.
- Dr. Joseph C. Kelly, Senior Clinical Assistant in Ophthalmology, November 16, 1942.
- Mr. William S. Ripley, Purchasing Agent, December 23, 1942.

The intense loyalty of the Staff and Nurses, in fact of almost everyone who stays long enough to become a part of this Institution produces an atmosphere of cordiality, kindness and hominess often noticed and remarked upon by patients. To all those of the Infirmary family who have stood by so nobly during this trying year and to those volunteers who have given so freely of their time and so generously of their spirit, the Director extends his sincere thanks.

The closing paragraphs of last year's report apply equally well now and I believe deserve repetition:

No building operations can be considered at present. Needed repairs and maintenance is assured through government priorities to hospitals. The Infirmary, however, must plan and look forward towards the oft mentioned and long needed remodeling of operating rooms. We should start accumulating funds for this now, prepare our plans and be ready to go ahead when the opportunity permits.

The Director again points out the need of doubling the endowment of the Infirmary. Blindness and deafness are calamities which affect both individuals and the community. They lessen or eliminate the self supporting powers of the individual and thus place the burden of support upon the community. The Massachusetts Eye and Ear Infirmary is the outstanding institution in New England where diagnosis and treatment for these crippling conditions can be carried out and where research for prevention and curative measures can be most hopefully supported.

NATHANIEL W. FAXON, M.D.
*Director*

# STATEMENT SHOWING SALARIES, SUPPLIES AND EXPENSES

## *For the Twelve Months Ending December 31, 1942*

| SALARIES AND WAGES | Public Ward | Private Ward | Infirmary Total | Out-Patient Department | Grand Total |
|---|---|---|---|---|---|
| Administrative: | | | | | |
| Administration and General | $24,690.27 | $6,850.49 | $31,540.76 | $10,229.06 | $41,769.82 |
| Household and Property: | | | | | |
| Housekeeping | 10,156.42 | 2,654.83 | 12,811.25 | 6,030.35 | 18,841.60 |
| Operation of Plant | 4,364.52 | 1,021.68 | 5,386.20 | .......... | 5,386.20 |
| Maintenance and Repair | 3,128.91 | 1,389.38 | 4,518.29 | 305.35 | 4,823.64 |
| Laundry | 7,359.53 | .......... | 7,359.53 | .......... | 7,359.53 |
| Nurses' Home | 3,877.41 | .......... | 3,877.41 | .......... | 3,877.41 |
| Other Personnel Quarters | 730.29 | .......... | 730.29 | .......... | 730.29 |
| Dietary | 22,273.46 | 1,443.44 | 23,716.90 | 277.08 | 23,993.98 |
| Total Household and Property | $51,890.54 | $6,509.33 | $58,399.87 | $6,612.78 | $65,012.65 |
| Professional Care of Patients: | | | | | |
| Medical—Surgical Care | $13,721.33 | $2,532.48 | $16,253.81 | .......... | $16,253.81 |
| Nursing Care | 37,438.55 | 14,077.24 | 51,515.79 | $4,445.13 | 55,960.92 |
| School of Nursing | 2,814.08 | 467.63 | 3,281.71 | .......... | 3,281.71 |
| Medical Records | 5,754.89 | 1,171.44 | 6,926.33 | 6,734.88 | 13,661.21 |
| Howe Library | 377.01 | 100.80 | 477.81 | .......... | 477.81 |
| Social Service | 16,940.40 | .......... | 16,940.40 | .......... | 16,940.40 |
| Total Professional Care of Patients | $77,046.26 | $18,349.59 | $95,395.85 | $11,180.01 | $106,575.86 |
| rofessional Care of Patients—Special: | | | | | |
| Operating Room | $6,001.40 | $2,839.55 | $8,840.95 | .......... | $8,840.95 |
| Anesthesia | 3,366.51 | 921,50 | 4,288.01 | .......... | 4,288.01 |
| X-Ray | 2,482.46 | 620.76 | 3,103.22 | $5,021.64 | 8,124.86 |
| Laboratories: | | | | | |
| Pathological | 6,554.84 | 1,253.40 | 7,808.24 | 323.76 | 8,132.00 |
| Mosher | 3,056.25 | 456.00 | 3,512.25 | 177.24 | 3,689.49 |
| Howe | 41.79 | .......... | 41.79 | .......... | 41.79 |
| Howe—NOrd 513 | 2,171.41 | .......... | 2,171.41 | .......... | 2,171.41 |
| Dental Hygienist | 448.26 | .......... | 448.26 | .......... | 448.26 |
| Occupational Therapist | 2,874.23 | .......... | 2,874.23 | .......... | 2,874.23 |
| Optical | .......... | .......... | .......... | 6,203.55 | 6,203.55 |
| Refractionists | .......... | .......... | .......... | 8,237.57 | 8,237.57 |
| Animal Farm | 422.17 | .......... | 422.17 | .......... | 422.17 |
| Total Professional Care of Patients—Special | $27,419.32 | $6,091.21 | $33,510.53 | $19,963.76 | $53,474.29 |
| Total Salaries and Wages | $181,046.39 | $37,800.62 | $218,847.01 | $47,985.61 | $266,832.62 |
| SUPPLIES AND EXPENSES | | | | | |
| dministrative: | | | | | |
| Administration and General | $11,621.33 | $2,460.74 | $14,082.07 | $15,411.67 | $29,493.74 |
| ousehold and Property: | | | | | |
| Housekeeping | 2,988.22 | 1,729.04 | 4,717.26 | 714.64 | 5,431.90 |
| Operation of Plant | 9,233.50 | 1,564.44 | 10,797.94 | 3,890.98 | 14,688.92 |
| Maintenance and Repair | 409.00 | 685.45 | 1,094.45 | 31.76 | 1,126.21 |
| Laundry | *84.06* | 3,461.91 | 3,377.85 | 229,65 | 3,607.50 |
| Nurses' Home | *319.62* | 2,770.44 | 2,450.82 | 180.00 | 2,630.82 |
| Other Personnel Quarters | 1,211.80 | .......... | 1,211.80 | 431.13 | 1,642.93 |
| Dietary | 35,185.50 | 19,491.52 | 54,677.02 | 3,238.18 | 57,915.20 |
| Total Household and Property | $48,624.34 | $29,702.80 | $78,327.14 | $8,716.34 | $87.043.48 |
| rofessional Care of Patients: | | | | | |
| Medical—Surgical Care | $6,726.99 | $1,642.07 | $8,369.06 | .......... | $8,369.06 |
| Nursing Care | 757.43 | .......... | 757.43 | $313.45 | 1,070.88 |
| School of Nursing | 420.71 | .......... | 420.71 | .......... | 420.71 |
| Medical Records | 548.14 | 221.16 | 769.30 | 748.07 | 1,517.37 |
| Howe Library | 126.03 | 155.88 | 281.91 | .......... | 281.91 |
| Social Service | 3,116.11 | .......... | 3,116.11 | .......... | 3,116.11 |
| Pharmacy and Drugs | 10,368.62 | 1,328.14 | 11,696.76 | 27,889.47 | 39,586.23 |
| Total Professional Care of Patients | $22,064.03 | $3,347.25 | $25,411.28 | $28,950.99 | $54,362.27 |
| ofessional Care of Patients—Special: | | | | | |
| Operating Room | $7,153.21 | $2,343.33 | $9,496.54 | .......... | $9,496.54 |
| Anesthesia | 264.62 | 9.04 | 273.66 | .......... | 273.66 |
| X-Ray | 1,727.26 | 401.76 | 2,129.02 | 3,250.32 | 5,379.34 |
| Laboratories: | | | | | |
| Pathological | 5,320.05 | 154.20 | 5,474.25 | 39.84 | 5,514.09 |
| Mosher | 1,804.16 | 266.28 | 2,070.44 | 103.56 | 2,174.00 |
| Howe | *78.78* | .......... | *78.78* | .......... | *78.78* |
| Howe—NOrd 513 | 2,718.65 | .......... | 2,718.65 | .......... | 2,718.65 |
| Occupational Therapy | 283.69 | .......... | 283.69 | .......... | 283.69 |
| Optical | .......... | .......... | .......... | 19,400.27 | 19,400.27 |
| Animal Farm | 140.65 | .......... | 140.65 | .......... | 140.65 |
| Massachusetts General Laboratories | 2,428.62 | 986.38 | 3,415.00 | .......... | 3,415.00 |
| Total Professional Care of Patients—Special | $21,762.13 | $4,160.99 | $25,923.12 | $22,793.99 | $48,717.11 |
| ventory Adjustments, etc. | | | | | |
| Breakage, etc. Storeroom | $230.49 | .......... | $230.49 | .......... | $230.49 |
| Cost of Supplies Sold | 128.95 | .......... | 128.95 | .......... | 128.95 |
| Total Inventory Adjustments, etc. | $359.44 | .......... | $359.44 | .......... | 359.44 |
| Total Supplies and Expenses | $104,431.27 | $39,671.78 | $144,103.05 | $75,872.99 | $219,976.04 |
| Total Salaries, Supplies and Expenses—Transferred to Schedule B | $285,477.66 | $77,472.40 | $362,950.06 | $123,858.60 | $486,808.66 |

Total charged to Special Funds included in above—$17,367.63.
Total charged to Naval Project included in above—$4,910.13.

## STATEMENT OF EARNED INCOME (AT STANDARD RATES) LESS ALLOWANCES TO PATIENTS

### *For the Twelve Months Ending December 31, 1942*

| | Public Ward | Private Ward | Infirmary Total | Out-Patient Department | Grand Total |
|---|---|---|---|---|---|
| Gross Earned Income (at Standard Rates): | | | | | |
| Day Rate Service | $146,825.54 | $59,803.70 | $206,629.24 | .......... | $206,629.24 |
| Special Earnings: | | | | | |
| Operating Room | 24,991.25 | 8,583.00 | 33,574.25 | .......... | 33,574.25 |
| Anesthesia | .......... | 2,094.05 | 2,094.05 | .......... | 2,094.05 |
| X-Ray Examinations | 6,976.50 | 4,364.49 | 11,340.99 | $17,827.43 | 29,168.42 |
| X-Ray Therapy | 828.50 | 95.50 | 924.00 | 863.60 | 1,787.60 |
| Laboratories: | | | | | |
| Pathological | 245.00 | 19.00 | 264.00 | .......... | 264.00 |
| Mosher | 7,052.00 | 3,533.50 | 10,585.50 | .......... | 10,585.50 |
| Massachusetts General | 3,232.50 | 1,307.50 | 4,540.00 | 40.19 | 4,580.19 |
| Medical—Surgical | 4,462.14 | 1,361.80 | 5,823.94 | .......... | 5,823.94 |
| Special Nurses' Board | 270.50 | 1,954.25 | 2,224.75 | .......... | 2,224.75 |
| Optical | 894.25 | 243.85 | 1,138.10 | 57,272.63 | 58,410.73 |
| Refractions | 17.00 | 98.00 | 115.00 | 12,209.60 | 12,324.60 |
| Ambulance | 5.00 | .......... | 5.00 | .......... | 5.00 |
| Out-Patient Department: | | | | | |
| Admission Fees | 17.95 | .......... | 17.95 | 47,247.97 | 47,265.92 |
| Pharmaceutical | .......... | .......... | .......... | 19,306.52 | 19,306.52 |
| Operating Room | .......... | .......... | .......... | 5,231.87 | 5,231.87 |
| Lunch Counter | .......... | .......... | .......... | 2,399.06 | 2,399.06 |
| Telephone | 273.29 | 64.57 | 337.86 | .......... | 337.86 |
| Emergency Ward | 4,395.63 | .......... | 4,395,63 | .......... | 4,395,63 |
| Clinical Records | 566.75 | .......... | 566.75 | 180.72 | 747.47 |
| Supplies Sold | 290.32 | .......... | 290.32 | .......... | 290.32 |
| Miscellaneous | 3,217.93 | 180.75 | 3,398.68 | .......... | 3,398.68 |
| Total Gross Earned Income (at Standard Rates); Transferred to Schedule B | $204,562.05 | $83,703.96 | $288,266.01 | $162,579.59 | $450,845.60 |
| *Less:* | | | | | |
| Allowances to Patients | 38,157.05 | 275.25 | 38,432.30 | 31,914.55 | 70,346.85 |
| Total Net Earned Income | $166,405.00 | $83,428.71 | $249,833.71 | $130,665.04 | $380,498.75 |

## STATEMENT OF OPERATING EXPENSES, EARNED INCOME AND NET OPERATING SURPLUS OR DEFICIT

### *For the Twelve Months Ending December, 1942*

| | Public Ward | Private Ward | Infirmary Total | Out-Patient Department | Grand Total |
|---|---|---|---|---|---|
| Gross Earned Income | $204,562.05 | $83,703.96 | $288,266.01 | $162,579.59 | $450,845.60 |
| *Deduct:* | | | | | |
| Allowances to Patients | 38,157.05 | 275.25 | 38,432.30 | 31,914.55 | 70,346.85 |
| | $166,405.00 | $83,428.71 | $249,833.71 | $130,665.04 | $380,498.75 |
| Patients' accounts considered uncollectible and charged off | 5,856.41 | 21.08 | 5,877.49 | .......... | 5,877.49 |
| Net Earned Income | $160,548.59 | $83,407.63 | $243,956.22 | $130,665.04 | $374,621.26 |
| *Add:* | | | | | |
| Collections on old accounts previously charged off | 553.48 | .......... | 553.48 | .......... | 553.48 |
| Discounts Received | 1,625.03 | .......... | 1,625.03 | .......... | 1,625.03 |
| Total Earned Income | $162,727.10 | $83,407.63 | $246,134.73 | $130,665.04 | $376,799.77 |
| Operating Expenses | 285,477.66 | 77,472.40 | 362,950.06 | 123,858.60 | 486,808.66 |
| Net Operating Surplus or *Deficit* | *$122,750.56* | $5,935.23 | *$116,815.33* | $6,806.44 | *$110,008.89* |

## NET OPERATING SURPLUS OR DEFICIT

### *For the Twelve Months Ending December, 1941*

| | | | | | |
|---|---|---|---|---|---|
| Gross Earned Income | $190,235.41 | $80,129,32 | $270,364.73 | $168,049.68 | $438,414.41 |
| *Deduct:* | | | | | |
| Allowances to Patients | 43,589.31 | 95.07 | 43,684.38 | 36,757.44 | 80,441.82 |
| | $146,646.10 | $80,034.25 | $226,680.35 | $131,292.24 | $357,972.59 |
| Patients' Accounts Considered Uncollectible and Charged Off | 14,239.36 | 26.75 | 14,266.11 | .......... | 14,266.11 |
| Net Earned Income | $132,406.74 | $80,007.50 | $212,414.24 | $131,292.24 | $343,706.48 |
| *Add:* | | | | | |
| Collections on Old Accounts Previously Charged Off | 137.32 | .......... | 137.32 | .......... | 137.32 |
| Discounts Received | 2,401.67 | .......... | 2,401.67 | .......... | 2,401.67 |
| Total Earned Income | $134,945.73 | $80,007.50 | $214,953.23 | $131,292.24 | $346,245.47 |
| Operating Expenses | 267,522.27 | 77,365.73 | 344,888.00 | 130,010.93 | 474,898.93 |
| Net Operating Surplus or *Deficit* | *$132,576.54* | $2,641.77 | *$129,934.77* | $1,281.31 | *$128,653.46* |

## STATISTICS

*January 1, 1942 to January 1, 1943*

| Number of Patients: | *In Ward Jan. 1, 1942* | *Admitted* | *Treated* | *Remaining Dec. 31, 1942* |
|---|---|---|---|---|
| Public Wards: | | | | |
| Eye | 50 | 1,980 | 2,030 | 39 |
| Ear | 4 | 448 | 452 | 20 |
| Nose and Throat | 20 | 2,400 | 2,420 | 20 |
| Total | 74 | 4,828 | 4,902 | 79 |
| Private Ward: | | | | |
| Eye | 20 | 744 | 764 | 10 |
| Ear | 1 | 66 | 67 | 1 |
| Nose and Throat | 9 | 798 | 807 | 5 |
| Total | 30 | 1,608 | 1,638 | 16 |
| Total Public and Private Wards 1942 | 104 | 6,436 | 6,540 | 95 |
| Total Public and Private Wards 1941 | 112 | 6,702 | 6,814 | 104 |

| | *1942* | *1941* |
|---|---|---|
| *Number of days board furnished free Public Wards | 12,291 | 14,435 |
| *Number of days board paid at full rate Public Wards | 25,055 | 25,502 |
| | 37,346 | 39,937 |
| Number of days board paid in Private Ward | 11,092 | 10,832 |
| Total number of patients' days | 48,438 | 50,769 |
| Average number of patients treated daily in Public Wards | 102 | 109 |
| Average number of patients treated daily in Private Ward | 30 | 29 |
| Average number of total patients treated daily | 132 | 138 |
| Average number of days patients remained in Public Ward | 7+ | 7+ |
| Average number of days patients remained in Private Ward | 6+ | 6+ |

---

* The number of days board paid at full rates is obtained by dividing the total amount of cash received from Public Ward patients, after sundry minor adjustments, by the prevailing rate — $4 a day. The rest of the number of days board are reckoned as free.

## OPERATIONS

| | *1942* | *1941* |
|---|---|---|
| Public Ward: | | |
| Eye | 2,034 | 1,841 |
| Ear, Nose and Throat | 2,787 | 3,205 |
| Private Ward: | | |
| Eye | 683 | 765 |
| Ear, Nose and Throat | 679 | 639 |
| Total | 6,183 | 6,450 |

### *Per Capita Costs and Earnings per Day*

| | *1942* | *1941* |
|---|---|---|
| Costs: | | |
| Not including special nurses, Public Wards | $ 7.64 | $6.70 |
| Not including special nurses, Private Ward | 6.98 | 7.14 |
| Not including special nurses, Public and Private Wards | 7.49 | 6.78 |
| Of food all persons | .49 | .45 |
| Earnings: | | |
| Not including special nurses, Public Wards | 4.45 | 3.67 |
| Not including special nurses, Private Wards | 7.52 | 7.39 |
| Not including special nurses, Public and Private Wards | 5.15 | 4.46 |
| On special fees, Public Wards (excluding board and special nurses) | 1.26 | 1.04 |
| On special fees, Private Ward (excluding board and special nurses) | 2.14 | 2.37 |

Public Ward patients were admitted at the following weekly rates: 8 at $35.00; 12 at $31.50; 3,595 at $28.00; 2 at $25.00; 123 at $24.00; 61 at $21.00; 1 at $17.00; 29 at $15.00; 208 at $14.00; 28 at $12.00; 1 at $11.00; 39 at $10.50; 322 at less than $10.50; 399 at Free.

Private Ward patients were admitted at the following weekly rates: 4 at $66.50; 461 at $52.50; 1 at $49.00; 7 at $45.50; 2 at $42.00; 6 at $38.50; 40 at $35.00; 1,080 at $31.50; 7 at $28.00.

### *Conditions of Public Ward Patients on Discharge*

| | *1942* | *1941* |
|---|---|---|
| Untreated | 0 | 0 |
| Against advice | 14 | 9 |
| Died | 11 | 19 |
| Otherwise discharged | 4,797 | 5,082 |
| Autopsies | 54% | 29% |

| Patients' Days Treatment (Reckoned from discharge payments): | | *1942* | | *1941* |
|---|---|---|---|---|
| Paying patients | 46% | 16,711 | 46% | 18,148 |
| Part paying patients | 36% | 13,386 | 31% | 12,981 |
| Free patients | 18% | 6,669 | 23% | 9,282 |
| Total | | 36,766 | | 40,411 |

| *1942* | *Beds Available* | *% Occupancy* | *1941* | *Beds Available* | *% Occupancy* |
|---|---|---|---|---|---|
| Public Wards | 143 | 64% | Public Wards | 143 | 67% |
| Tonsil Ward | 16 | 33% | Tonsil Ward | 16 | 38% |
| Gardner Ward | 26 | 25% | Gardner Ward | 26 | 32% |
| Total Public Wards | 185 | | Total Public Wards | 185 | |
| Private Ward and Rooms | 42 | 71% | Private Ward and Rooms | 42 | 71% |
| Total beds | 227 | | Total beds | 227 | |

## OUT-PATIENT DEPARTMENT

| | *New Patients* | *Revisits* | *Total Visits* |
|---|---|---|---|
| Eye | 7,139 | 39,809 | 46,948 |
| Ear | 4,578 | 19,669 | 24,247 |
| Nose and Throat | 2,124 | 11,051 | 13,175 |
| Total 1942 | 13,841 | 70,529 | 84,370 |
| 1941 | 13,386 | 76,292 | 89,678 |

| | *1942* | *1941* |
|---|---|---|
| Daily average | 380 | 297 |
| Patients treated in Emergency Ward | 5,532 | 3,779 |
| Percentage of free visits reckoned from total number of free visits Massachusetts General Hospital and Massachusetts Eye and Ear Infirmary combined Out-Patient Department. | 23% | 26% |

## COMPARATIVE TABLE OF ADMISSIONS

| | *Number of Patients Admitted to Wards* | *Total Patients' Days Treatment* | *Operations* | *Out-Patient Department Visits* |
|---|---|---|---|---|
| 1934...... | 7,149 | 53,520 | 6,963 | 103,678 |
| 1935...... | 7,273 | 53,917 | 6,878 | 99,680 |
| 1936...... | 7,366 | 54,639 | 7,164 | 96,784 |
| 1937...... | 7,316 | 53,855 | 7,233 | 101,403 |
| 1938...... | 7,332 | 53,547 | 7,378 | 100,465 |
| 1939...... | 7,376 | 53,908 | 7,244 | 100,861 |
| 1940...... | 7,042 | 52,685 | 6,738 | 96,350 |
| 1941...... | 6,702 | 50,769 | 6,450 | 89,678 |
| 1942...... | 6,436 | 48,438 | 6,183 | 84,370 |

## INVENTORIES

| | *1943* | *1942* |
|---|---|---|
| Total Inventories for year................ | $17,874.92 | $17,732.25 |

# Report of the Gardner Building

THE GARDNER BUILDING is one of those necessary units, like a Fire Department which may have periods of no use. It was closed from October 23rd to November 17th, followed by periods of intense activity and over crowding. Usually patients admitted there are desperately sick or have conditions that endanger others.

A study of the admissions since 1900 shows the changing picture of infectious disease of the eye, ear, nose and throat. In 1941 and 1942 the sudden drop in gonorrheal ophthalmia was due to a change in policy of proving such diagnosis by culture. The experience of two years leads us to believe that this is an unnecessary restriction.

| *Year* | *Trachoma* | *Eye Gonorrheal* | *Eye Non-Gonorrheal* | *Ear, Nose & Throat* | *Other Infections* | *Total* |
|---|---|---|---|---|---|---|
| 1900 | .. | ... | ... | ... | ... | 187 |
| 1905 | 1 | 128 | 26 | 19 | 134 | 308 |
| 1910 | 9 | 123 | 69 | 11 | 66 | 278 |
| 1915 | 2 | 59 | 116 | 7 | 21 | 205 |
| 1920 | 34 | 53 | 57 | 103 | 28 | 275 |
| 1925 | 31 | 50 | 94 | 91 | 38 | 304 |
| 1930 | 30 | 25 | 66 | 161 | 34 | 316 |
| 1935 | 19 | 15 | 82 | 126 | 25 | 267 |
| 1938 | 21 | 18 | 103 | 137 | 38 | 317 |
| 1939 | 23 | 11 | 80 | 125 | 65 | 304 |
| 1940 | 16 | 13 | 47 | 152 | 68 | 296 |
| 1941 | 11 | 9 | 53 | 151 | 53 | 277 |
| 1942 | 2 | 3 | 38 | 123 | 64 | 230 |

# Report of the Department of Ophthalmology

The most significant change in the Eye Department for the year 1942 has been the further reduction of the training period for residents from twenty-one to twelve months. This decision was taken only after thorough discussion of all the factors involved and after consultation with the military authorities. It is hoped, by this shortened period of service, to obtain a sufficient number of house officers to insure efficient operation of the department. In addition to the regular twelve months house service, we are giving whenever possible, two months of basic science training before the residency begins and also two months extra training at the end if the house officer is allowed to remain for it.

The following members of the Ophthalmological Staff are on active duty with the Armed Forces:

Edwin B. Dunphy, Lieutenant Commander (MC), U.S.N.R.
Virgil G. Casten, Lieutenant Commander (MC), U.S.N.R.
Trygve Gundersen, Major (MC), A.U.S.
Edward E. Covitz, Lieutenant Commander (MC), U.S.N.R.
Thomas Cavanaugh, Captain (MC), A.U.S.
S. Forrest Martin, Lieutenant Commander (MC), U.S.N.R.
Earl S. Seale, Major (MC), A.U.S.
H. Frederick Stephens, Lieutenant (MC), U.S.N.R.
Garrett L. Sullivan, Major (MC), A.U.S.
Lawrence R. Dame, Major (MC), A.U.S.

Fortunately some of their places have been taken by the following men on the retired list who have loyally responded to the call to help out in the emergency:

Hugo B. C. Riemer, M.D.
Edward K. Ellis, M.D.
Samuel J. McDonald, M.D.
Fred M. Spalding, M.D.
Ralph A. Hatch, M.D.
Thomas H. Macdonald, M.D.
Albert A. Carter, M.D.

The total number of Out-Patient Department visits was 46,948 somewhat smaller than last year.

The Perimetry Department has been severely handicapped by the loss of Dr. Garrett L. Sullivan who is serving overseas with the United States Army. So far no one has been found to replace him. Negotiations are in progress to obtain a well trained perimetrist.

The Refraction Department has been under the direction of Dr. Albert E. Sloane and has accounted for 12,634 refractions during the year. Under Dr. Sloane's tutelage, a regular case history system of instruction in refraction has been instituted for the benefit of the house officers.

The Department of Aniseikonia, with Dr. Mahlon T. Easton in charge, has completed its first year of existence. This is a consultation service for New England Ophthalmologists and so far 50 cases have been referred for examination. Dr. Easton has reported his results at the annual meeting of the Massachusetts Eye and Ear Infirmary Alumni Association.

There has been a delay in the establishment of the Orthoptic Department. The instruments have been acquired but there has been difficulty in obtaining a properly qualified technician.

House Officer instruction continues to be given by various staff members every Monday and Thursday evenings from October to June inclusive.

EDWIN B. DUNPHY, M.D.
*Chief of Ophthalmology*

# Report of the Refraction Room

The refraction department continued to function as an important branch of the Eye Out-Patient Department. In 1942, 12,624 patients or 28% of all persons seen in the Eye Clinic were subsequently tested for glasses.

| | |
|---|---|
| Total Patients refracted | 12,624+ |
| Total Patients refracted by House Officers | 3,234+ or (25.6%) |
| Total Patients refracted by paid Personnel | 9,390+ or (74.4%) |

PERSONNEL:

The personnel includes at this time the entire House Officer Staff and eight paid members, seven of whom are employed part time, and one full time.

*Part time:* A. E. Sloane, M.D.
J. C. Chisholm, M.D.
E. Tiffany
C. Wood
W. Emmons
J. DiNapoli
F. Brucker

*Full time:* T. Farmer

One full time member (C. Willis) and one part time member (R. March) resigned during the year (the latter to enter the Service).

EQUIPMENT:

During the year 1942 a new type of Phoroptor and Synoptoscope were obtained. New types of reading charts recently recommended by the American Medical Association were added to our present equipment. At the present time we are attempting to build a large trial set for testing aphakic cases. The Social Service Department is sharing in the work of this project.

TEACHING:

(a) Weekly "Teaching Refraction Cases" discussions were inaugurated. These were attended by the House Officers and occasional post graduate students as well as by House Officers on other services who are contemplating future training in Ophthalmology. This method of instruction was apparently well received as evidenced by good attendance and spirited discussions by the class.

The case reports are edited and being compiled into a volume already used by the House Officers. A number of the case reports have been accepted by the American Journal of Ophthalmology for publication.

(b) Each new House Officer (with one exception) has been trained to refract before he has actually started his residency. The men so trained numbered six, Drs. O'Connell, Reagan, Sheehan, Floyd, Arathoon and Donoghue.

(c) Three men, other than House Officers, one each from Maine, Mexico and El Salvadore, were trained in Refractions.

(d) One person (E. Tiffany) was trained as a technician to do "Return Visions" in the Eye Clinic. She is now being taught fundamentals of refractions and will soon be able to do this type of work.

(e) Two Visiting Men have availed themselves of refresher courses in certain refraction technique.

CHANGES INAUGURATED IN REFRACTION ROOM:

(a) Change in policy of ordering cycloplegia prior to refractions. Hitherto all persons 30 years of age or younger were routinely given a cycloplegia refraction. Now, excepting where specially indicated or ordered, persons over 20 are tested without drops. This accomplishes three things:

1. It is more in line with the current methods of refracting as practiced by the great majority of those in private work in Boston.
2. It obviates the necessity of a post cycloplegic examination in many cases thus increasing both the number of new patients seen and saving time and expense to the patient.
3. It increases the ability of the House Officer to cope with a refraction without depending upon a large pupil and cycloplegia.

(b) A minimal quota of patients to be seen by each member was determined by that person. This enabled a rough way of predicting the capacity of work for the Refraction Room. It also enabled each person to set his own time per patient so he might get the most out of his examination without being subjected to pressure or need for undue haste.

(c) Standardization of a minimal refraction to be done in each case was instituted so comparable data might be available for study of records.

(d) Substitution of visual acuity rating terms for near vision that have common meaning everywhere were instituted. (ex.) A.M.A. method 14/14 or Wells card #1.

(e) An alternating or reserve refractionist is available should there be an accumulation of appointments above that which the capacity of the Refraction Room staff can handle.

### PROGRAM FOR 1943:

It is hoped that opportunities will be made available for further study in certain phases of refraction. These include—Orthoptics, Aphakia, Muscles, Problems in Binocularity, Keratoconus, Subnormal Vision Aids.

### ACKNOWLEDGMENT:

The submitter wishes to express his appreciation for the fullest cooperation given him by all.

ALBERT E. SLOANE, M.D.
*Director of Refraction Room*

# Report of the Department of Oto-Laryngology

I HAVE the honor to submit my fourth annual report.

The loyalty and cooperation of the staff to the Infirmary during the emergency deserves special praise. Increased duties and responsibilities placed on those of the Staff who remain have been cheerfully assumed so that the work in the Departments of Otology and Laryngology has been effectively and efficiently carried out.

The following members of our staff are in the military services:

Calvin B. Faunce, Captain (MC), U.S.N.R.
Lyman G. Richards, Lieutenant Commander (MC), U.S.N.R.
Charles I. Johnson, Commander (MC), U.S.N.R.
Charles H. Allman, Commander (MC), U.S.N.R.
John R. Frazee, Captain (MC), A.U.S.
David P. Cordray, Lieutenant Commander (MC), U.S.N.R.
Joshua C. Drooker, Captain (MC), A.U.S.
Frank Gavolio, Major (MC), A.U.S.
Joseph Lentine, Captain (MC), A.U.S.
Donald H. Macdonald, Lieutenant Commander (MC), U.S.N.R.
Walter L. McClintock, Captain (MC), A.U.S.
Robert G. Snow, 1st Lieutenant (MC), A.U.S.
Herman J. Sternstein, Lieutenant Commander (MC), U.S.N.R.

In keeping with the necessity of acceleration of all educational programs, the residency in otolaryngology has been reduced from twenty-one to twelve months.

Contrary to the custom of all other hospitals, the Infirmary did not until three years ago charge a laboratory fee. In our laboratories in 1940 there were 8,041 examinations made; in 1941, 13,457; and in 1942, 15, 361. The charges for the examinations made in 1942 amounted to $10,585.50. All cultures are now grown both aerobic and anaerobic. Mr. Blake has picked up several cases of bacteroides infection. Miss Margaret Connors and Miss Kathryn O'Shaughnessy are doing good work as technicians. Miss Dorothy Linden continues with Dr. Lurie on research problems for the National Defense Council. Although their findings are a military secret, they have won high praise from the Council, and the work is to continue through this year.

The studies on Deafness by the Winthrop Foundation are beginning to crystallize and are presenting so many leads that the Foundation must be enlarged to carry the program to its logical conclusion. The Infirmary should be in a position to render a complete service to its hard of hearing patients. We can no longer dismiss a patient with the advice to "get a hearing aid." We simply must be able to advise the patient which aid will help him most and follow the patient through the period of re-adjustment.

A series of experiments have been undertaken to determine what factors are responsible for the non-regeneration of bone in the fenestration operation. Dr. Dorothy Wolff will join our laboratory force in March to aid in this study.

During the past year an additional $35,000. has been obtained, the income of which is to be used for the benefit of children handicapped by a hearing loss. This makes a total fund of $60,000. to be used for this purpose.

The cooperation of all services of the Massachusetts General Hospital with the Infirmary staff has been pleasant and wholehearted. It is difficult to single out any one particular service, but the Department of Pediatrics, under Dr. Allan Butler, and the Department of Neuro-surgery, under Dr. Jason Mixter, deserve special mention. Not only the patient, but the staffs of both institutions benefit by such cooperation.

The Tumor Clinic, under Drs. Edwards W. Herman and Carl H. Ernlund, has operated effectively. We look forward to the utilization of the Gardner Building as a Tumor Institute.

The Bronchoscopic Service has handled many unusual and difficult cases. Our hospital continues to be the recipient of the difficult bronchoscopic cases of all New England. The humidified room, a contribution from the late Dr. George H. Wright, is proving to be of immense value in the treatment of laryngeal tracheal infections. The humidity in this room, which is kept at approximately 100%, is somewhat hard on the nurses and attendants, but it is saving patients' lives. The use of humidification has been one of the great advances in the treatment of tracheobronchial infections.

The Wednesday clinical meeting at the Infirmary and the Friday night meetings at the Harvard Medical School are well attended.

Their scientific value to oto-laryngology has been wide-spread. Any curtailment of these meetings through gasoline rationing is to be deplored. A Victor Sound Projector has been added to our equipment and now sound films can be shown.

Our staff continued to be in demand as speakers before national and local societies. At the meeting of the American Academy of Ophthalmology and Oto-laryngology last October, Dr. Charles T. Porter took part in a symposium on chemotherapy, presenting the use of chemotherapeutic agents in otolaryngology. Dr. John R. Richardson presented a series of four lectures to the Gill postgraduate group in Raleigh, North Carolina. Dr. Robert L. Goodale presented a paper before the American Laryngological Association. Dr. LeRoy A. Schall addressed The Eastern New York Ear, Nose and Throat Society at Albany; the Mid-South Postgraduate Medical Assembly at Memphis; the Section of Oto-laryngology of the New York Academy of Medicine and the New York Oto-Laryngological Society at New York.

The September issue of The Annals of Otology, Rhinology and Laryngology was dedicated to our former Chief, Dr. Harris P. Mosher. The contributions were by his former pupils and House Officers. Fifteen of these papers were designated "From the Department of Otolaryngology, Massachusetts Eye and Ear Infirmary."

LeRoy A. Schall, M.D.
*Chief of Otology and Laryngology*

# Report of the Pathological Laboratory

To obtain from the pathological study information of maximum benefit to the individual patient continues to be the primary aim of the laboratory. However, curtailment of efforts in interest of war time efficiency has caused a slackening in detailed study of similar conditions in groups, the nature of which ordinarily enhances our knowledge of specific diseases for purpose of devising better methods of treatment. It has also caused a postponement in study which is of academic interest only. Delay in getting supplies has occurred naturally. These problems have concerned chiefly absolute alcohol, anhydrous ether, and parlodin. This has, at times, held up preparation of sections more than four weeks. To get the reports on the records without undue delay, the new dictating machine has aided greatly and the filing of the report on the patient's record immediately after it is given has more than offset the delay incident to the difficulties of keeping in supplies. Any changes in the diagnosis as recorded are made when copies are proof read and at that time the date of proof reading is stamped on the record.

The use of new rapid techniques to prepare the microscopic sections has progressed. The hot celloidin embedding used in a research problem has proved so efficient that it has been adopted for all laboratory work. Thus embedding time has been reduced from three weeks to six days. Smears of cut sections suspected of being retinoblastomata give the diagnosis in a matter of minutes instead of days. Frozen section technique is used wherever possible.

There has been a total of 289 specimens diagnosed, of which 54 were malignant neoplasms. The unusual tumors included one rhabdomyosarcoma of the orbit, one meningioma and 18 melanomata. A specimen of unusual interest was one leper eye sent in by Dr. F. H. Verhoeff which he had obtained from India. The number of foreign bodies removed from enucleated eyes in the laboratory has increased considerably this year. To relate this to greater industrial activity may be the proper interpretation. In one eye, however, a piece of lead was found which had ricocheted into the eye of a bystander at a shooting gallery thus giving evidence that the so-called synthetic lead bullets which shatter into a powder upon impact are not uniformly used at these places of amusement.

Curtailment of length of the house officer service has cut down proportionately the time each can spend in the laboratory. Some attempt has been made, however, to resume individual instruction, especially since the Harvard Post Graduate courses in which most of the house officers had had opportunity to participate, have been discontinued for the duration.

Investigative work related to melanomata, epithelization, statistical studies and preparation of material has been stopped with two exceptions. First, work is in progress to make satisfactory copies of the lantern slide library in the laboratory on 35 mm. film from which the newer small lantern slides can be made for use by the Staff. Secondly, the investigation on the disease affecting the eyes of infants born prematurely is being continued. When the research staff was seriously depleted due to the Armed Services it was found that Mrs. Barbara Brainerd could be obtained to take over the entire responsibility of the experimental work without curtailing the routine laboratory work or conflicting with any additional duties related to the war. It was indeed fortunate to have someone available with excellent preparation for such work, for at the time, despite adequate funds, it was felt that it would be impossible to complete the experiments. Mrs. Brainerd has evaluated that which could be obtained from the first series of experimental surveys and is repeating under carefully controlled conditions those experiments in which there appears to be some value. These include evaluation of precocious blood pressure elevation, reduction in oxygen carrying power of the blood and alterations in temperature. From the previous work on this subject the problem was brought before the National Ophthalmological Societies by papers and exhibits. This has opened the problem to others for suggestions pertaining to the many controversial factors of the study and has brought to us many other cases from all parts of the country.

THEODORE L. TERRY, M.D.
*Pathologist*

# Report of the X-Ray Department

There has been a drop in the number of patients examined in the X-Ray Department over the preceding year. This drop is consistant with the lower attendance in the Out-Patient Department.

It is gratifying to note that there has been only a slight increase in the number of intro-ocular foreign bodies even with the enormous expansion of industry. In general, chemotherapy has not diminished the number of patients requiring roentgen investigation of the mastoid from the Out-Patient Department, the way it has in private work. Chemotherapy has to be given earlier than the outpatients can get it.

Instruction courses in interpretation of sinus and mastoid films were given again this year at the American Roentgen X-Ray meeting in Chicago in September.

Tabulation of cases is as follows:

| | | |
|---|---|---|
| Thymus | 1,376 | |
| Mastoids | 1,142 | |
| Sinuses | 2,045 | |
| Teeth | 355 | |
| Foreign Body eye | 160 | |
| Chest | 549 | |
| Esophagus | 210 | |
| Skull | 84 | |
| Jaws | 114 | |
| Nose | 109 | |
| Treatments | 559 | |
| Sella turcia | 8 | |
| Lipiodol injections | 35 | |
| Cervical spine | 187 | |
| Miscellaneous | 35 | |
| Petrous | 26 | |
| Optic canal | 10 | |
| Bronchoscopy | 5 | |
| Long bones | 11 | |
| Abdomen | 34 | |
| Number of examinations | 7,054 | |
| Number of patients | 6,418 | |
| Bouginage | | |
| Number of treatments | 516 | |
| Number of patients | 81 | |
| Total number of examinations for year | | 7,570 |
| Total number of patients for year | | 6,499 |

A. S. Macmillan, M.D.
*Roentgenologist*

# Report of the Nursing Department

Census of the Nursing Personnel—December 31, 1942.

| | | |
|---|---|---|
| Assistant to the Superintendent of Nurses | 1 | |
| Supervisor | 1 | |
| Instructor | 1 | |
| Night Supervisor | 1 | |
| Assistant Night Supervisor | 1 | |
| Operating Room Supervisor | 1 | |
| Operating Room Head Nurses | 5 | |
| Chief Nurse Anesthetist | 1 | |
| Assistant Nurse Anesthetists | 3 | |
| Ward Head Nurses | 6 | |
| Assistant Head Nurses on Wards | 4 | |
| Out-Patient Head Nurses | 3 | |
| General Duty Graduates, day and night | 15 | |
| Post-Graduate student nurses | 1 | |
| Affiliated student nurses | 13 | |
| | | 57 |
| Attendants | 11 | |
| Orderlies | 13 | |
| | | 24 |
| Total | | 81 |

The year 1942 will always be remembered as the one when we felt the first real impact of the war upon our personnel. It is referred to as the first, for it probably is only a sample of what is to follow.

From the nursing group 7 young women have entered the Army Nurse Corps this year: Edwina Hussey, Margaret Walsh, Eunice Grant, Nellie Wrigley, Evelyn Ordway, Isabel Willis, and Pauline McCulloch. For many years the attendants have numbered 20, but this year the number has often fallen to 11. The number of orderlies authorized is 16. It has often dropped to 6. These losses are serious in institutions where the normal number of personnel must of necessity be minimum. The same schools of nursing have sent us the same number of students for affiliation, maintaining a daily average of 12 or 13. There are few post-graduate students in any school today. Therefore a total of 7 for this year is a credit-able number. The Infirmary would have been in a serious situation had it not been for these students and the graduates who came from the Replacement Service which was set up by the Private Duty Section of District No. 5 of the Massachusetts State Nurses Association. This service provided a certain number of private duty nurses who went to the hospitals for a month of floor duty. During the months of June to December inclusive, 25 of these private duty nurses came to the hospital for one month each of floor duty.

Many of the vacancies in the administrative and teaching staff were filled by promotions from within the group, which is as it should be. Miss Marie Scherer, instructor, was with us for 5 years and during that time continued her preparation for a Bachelor of Science degree. During one of Miss Scherer's leaves of absence, Miss Jessie Stewart, who had held other positions at the Infirmary for over 6 years, relieved Miss Scherer. In the Fall Miss Stewart resigned to become a full time student at Boston University. When Miss Scherer resigned in June to accept a position of surgical supervisor at the Massachusetts General Hospital, she was succeeded by Miss Eileen Gilmartin, who had been head nurse on the Private Ward for 13 years. After 17 years of good work as head nurse on the Children's Ward, Miss Iona Heberlig resigned. Following the summer at the Sunlight Hospital in the position of assistant to the superintendent, she went to her home in West Virginia.

Everywhere a great effort is made to return inactive nurses to service. This effort brought two graduates to the staff of anesthetists. One of these was Miss Madeline Kent, who had been at home for some time. She took a Refresher Course, and as years ago she had a special course and experience in the administration of anesthetics, she re-entered this field. The other nurse is Helen Ferree Leonard, who also had a course in the administration of anesthetics before her marriage. For many years Mr. and Mrs. Leonard have lived in India, but the present war situation necessitated Mrs. Leonard's return to this country. Both of these nurses found a warm welcome at the Infirmary.

The year brought an eight hour night and a forty-eight hour week schedule to the night nurses in Gardner Ward and in the Nursery and an eight and one half hour day and a fifty-one hour week schedule for day nurses. Only the Recovery Room remains to have an eight hour schedule for the night nurses. The year has also brought Ward Information Clerks for the Second and Third Floors. These clerks can do a great deal to lighten the load of the head nurses, all of whom have very large floors to cover. In these times everything possible should be done to assist the nurses, most of whom are working under great pressure.

Many hospitals have been fortunate in having groups of Volunteers. Those at the Infirmary have included a small number of Harvard University students for evening duty, Red Cross Volunteer Nurses' Aides, and High School girls. Members of the Ladies' Visiting Committee have also helped by delivering mail, reading and writing letters, arranging flowers, putting linen closets in order, making empty beds, and doing the endless errands.

If the Infirmary is to carry on during these war years, and of course it must, it will be necessary to draw more largely upon its friends for this volunteer service. We are sure that when the need is better known other workers will respond to fill the need.

Sally Johnson, R.N.
*Superintendent of Nurses*

# Report of the Dietary Department

The new dish washing machines in the Main Kitchen and the Private Floor Kitchen provided for in the 1942 Budget have been installed.

Under the pressure of labor shortage the Baker was transferred to the Massachusetts General Hospital Bake Shop for the vacation period. Our baked goods were purchased from the Massachusetts General Hospital. The arrangement proved to be satisfactory and has continued throughout the year.

Every effort has been made to simplify routines and eliminate unnecessary labor.

We are grateful to the Red Cross Nutrition Aides for their support and helpfulness, particularly in making a closer patient contact.

The Ladies' Visiting Committee very kindly donated fruit for patients and personnel at Christmas.

Miss Hazel Curran accepted the position as Therapeutic Dietitian in March. Following her marriage she resigned in October and has been replaced by Miss Marian Ashman.

A total of 6,978 Special Diets were served during 1942, the daily average being 19, including 12 general types.

The Massachusetts General Hospital Student Dietitian Class received instruction in Therapeutic and Administrative procedures throughout the year.

A lecture on Diet Therapy in Diseases of the Eye, Ear, Nose and Throat is given to each group of Student Nurses.

ISABEL C. NOLAN
*Dietitian*

# Report of the Medical Social Service Department

THE SOCIAL SERVICE DEPARTMENT served 2,584 patients in 1942 and in addition 2,496 patients were included in follow-up programs. Although the total number of patients receiving service is somewhat smaller than in 1941, the number of patients who have received full social treatment has increased while the number accepted for financial and incidental services has decreased. Two hundred twenty-two fewer patients were referred for assistance with glasses in 1942 than in 1941. Some fewer patients received slight or unrecorded services in 1942. The following is the division of the services to patients during the year:

| | | |
|---|---|---|
| Total number of patients served | | 2,584 |
| A. Medical Social Treatment | 915 | |
| B. Financial Service only | 559 | |
| C. Unrecorded Services | 1,110 | |
| Referrals for Medical Social Treatment from | | |
| A. Eye Service<br>Clinic and Wards | 518 | |
| B. Ear, Nose and Throat Services<br>Clinic and Wards (including Tumor Clinic) | 397 | |
| Referrals for financial service only<br>(Primarily from Eye Clinic for glasses) | 559 | |
| Referrals for unrecorded services from | | |
| A. Eye Service | 665 | |
| B. Ear, Nose and Throat Services | 445 | |

*Personnel*

The past year has seen considerable change in personnel in the Social Service Department. Miss Janet Gorton and Miss Mary McLaughlin resigned to accept positions dealing with the prevention of blindness in the Massachusetts Division of the Blind. Both Miss Gorton and Miss McLaughlin served the Infirmary for a number of years and it is gratifying to know they are continuing their interest in the field of prevention of blindness. One vacancy created by the above resignations has been filled by Miss Phyllis Howe from the 1942 class of the Simmons College School of Social Work. The other vacancy is still unfilled. There is a great shortage of fully trained medical social workers at the present time because many experienced workers have gone into the American Red Cross Program in the military services, others into rapidly expanding public health programs and into private hospitals developing new social service departments.

### *Eye Service*

In order to attempt to bring more continuity in service to both patients and doctors, social workers on the Eye Service are now following the organization pattern set by the medical staff. A social worker is assigned to a particular clinic day and takes the referrals both in the clinic and on the wards which come on that service day. This has resulted in giving up an individual worker assigned to the ward service and makes it possible for both the Chief of the Service and his visiting staff, as well as the house officer, to have only one social worker with whom to confer, except on glaucoma patients. It was hoped with this arrangement that there might be more opportunity for conferences with house officers concerning individual patients and there thus might be developed more initiative on their part to select patients in need of social services. The plan has been in effect for only three months but so far there is little change in the number of patients referred.

Referrals to the Massachusetts Division of the Blind and other out of State agencies for the blind amounted to 92. There has been a slight increase noticeable in the employment of the adult blind due to increased employment facilities created by the war.

A request was made for one of the social workers to study the problems which parents meet in adjusting to the blind infant and the problems they face in the child's development and training. Only a small beginning has been made on six patients and it is uncertain that a definite study can be carried on in view of the distances from which the patients come, and the fact that the service is short of one social worker and more immediate clinic needs have to be met, leaving the opportunity for any study project distinctly limited.

### *Glaucoma*

All of the Eye Service felt a loss when Miss Groton resigned from work with the glaucoma patients. Her understanding of the medical problems and her interest in the patients, many of whom she knew through years of service, were of great value. A temporary worker was employed for a few weeks to manage clinic routine and handle follow-up, but some confusion resulted for both patients and doctors during the interim period before a permanent worker was assigned to the service. Miss Phyllis Howe has now taken over this responsibility and brings to the position both interest and enthusiasm.

Three hundred sixteen new patients with glaucoma were referred this year, an increase of 24 over last year. One hundred fifty-one glaucoma patients received social treatment. Glaucoma classes for patients have not been held since the spring of 1941. This has increased the need for interpretation by social service for the necessity of continued medical treatment. The past six months have brought problems in the follow-up program because of transportation difficulties. The Red Cross Motor Service has been curtailed in various communities, making it extremely difficult for patients with low vision to keep their clinic appointments. Increasing difficulties are anticipated with gasoline rationing and increased demands on public transportation facilities. The total number of glaucoma patients followed this year was 1053.

### *Eye Follow-up*

Follow-up in the Eye Clinic includes children under nine years of age with strabismus and post-operative squints for one year; hyperopia, requiring a correction of +3.00 diopters or over; myopia, requiring −2.50 diopters or over, through school age. There are always between 700 and 800 children on the active follow-up list, about 500 of whom are strabismus patients. The follow-up is conducted largely by letters and postcards, with little personal contact with patients.

### *Ear Service*

Social work in the Ear Clinic now divides itself into two rather distinct phases, i.e. the referrals from the Ear Clinic, Nose and Throat Clinic, and the referrals from the Winthrop Foundation. The bulk of referrals from both the Ear Clinic and the Winthrop

Foundation are for rehabilitation services for the hard of hearing and the deaf. In past years many patients were given advice about where to obtain lip reading instruction and were referred to the Boston Guild for the Hard of Hearing for demonstrations of hearing aids. However, little attempt was made to determine whether the clinic suggestions were followed or whether hearing aids were obtained. Rarely were attempts made to secure funds to purchase aids for patients unable to pay for instruments. From the Ear Clinic (exclusive of patients under study of the Winthrop Foundation) 210 patients were referred to Social Service with a recommendation for hearing aids. Out of this number only 43 patients indicated ability to pay for an aid; 110 patients stated they could not pay and of the remainder, 27 patients did not wish an aid, and others were uncertain about how much they might be able to pay toward an instrument. Estimating the expense of an aid at $100 or more, one can easily see that more than $10,000 would have been needed to provide aids for the 110 patients who would have liked to purchase an aid, and most of whom would have benefitted by its use.

The financial resources for the purchase of hearing aids are extremely limited. If an adult is employable and a hearing aid will help him to secure or maintain a position, the Rehabilitation Section of the Massachusetts Department of Education can often assist with half of the payment, but the patient or a private social agency must meet the balance of the cost, and this balance is not easy to secure for any large number of patients. Many of our patients also fall into an unemployable group, such as housewives and mothers of young children. In a number of these instances the families are self-supporting but their incomes are not sufficient to allow for expensive medical appliances. Our funds are not adequate to assist this group and very careful selection is necessary to determine the patients who seem to present the most urgent need, or who would seem to receive the greatest benefit from an aid. This year in referrals from the Ear Clinic direct financial assistance has been given to only six patients. While this seems a very small number, it is at least a beginning to help some of the adults. Plans for four additional patients are in process, but the funds have not been entirely raised.

### *Winthrop Foundation*

Since July 1941 a social worker has been handling referrals from the Winthrop Foundation. During the year 1942, 95 new patients were referred for social study and treatment and 71 patients referred in 1941 were still receiving some service, making a total of 166 patients served this year. Since these patients are children and young adults, an attempt has been made to meet, in so far as possible, all of the clinic recommendations to rehabilitate this group. This consists not only of arranging for hearing aids and lip reading as recommended, but for educational programs and work suitable to the patient's handicap and in helping the patient to make as adequate an adjustment to his hearing loss as possible in order that he may carry on a normal life. Consistent interpretation to schools and other community agencies regarding the needs of these patients has been a part of the program.

The department was fortunate in having some funds made available for hearing aids for children in this group and in addition to that fund considerable money has been raised through community social agencies. During the year 23 hearing aids have been arranged for children from 6 to 18 years of age. In the adult group 4 have been arranged. In addition arrangements are underway but not completed for 22 instruments. In the children's group 17 out of 23 needed financial assistance to procure an aid.

The use of hearing aids by children has not been common, and a great deal of work with parents has been necessary to gain their acceptance of the help a child can receive from an aid. However, some of the children have had aids for a long enough period now for a beginning evaluation of their use to be made. It has been gratifying to find that school work has shown considerable improvement after children have had aids for several months. Some who were withdrawn and retiring in their social relationships in school and at home, have shown changes in personality in terms of happier dispositions and of increased interest in friendships and social contacts. From both the Ear Clinic and the Winthrop Foundation Study, 422 children with hearing losses have been reported to the schools and 72 have been referred to schools for lip reading instruction.

### *Ear Follow-up*

An attempt has been made this past year, with medical approval, to be more selective in the children followed and to keep those accepted for follow-up under more active medical supervision. Difficulties of transportation for patients from out of town present a problem, as well as the fact that in some cases both parents of a child may be working, and as a result no one can bring him to clinic. Therefore, arrangements have been made for some children to have medical treatment in their local communities through private physicians. Personal interviews are held in most cases where patients fail to return for treatment.

The total number of individual children on Ear Follow-up for the year was 567, with an average of 187 active per month.

### *Nose and Throat Service*

The greatest number of social problems referred from the Nose and Throat Service, are patients with malignant conditions. One social worker is in the Tumor Clinic each clinic morning to handle problems which may arise regarding hospital admission; to assist in plans for living arrangements for patients from out of town, who are in need of x-ray treatment; or to arrange nursing home or chronic care, as patients have such needs, as well as to help with any problems of interpretation which a patient or his family may present.

Five cases of laryngeal tuberculosis have been referred for sanatorium care which is not an increase over the usual number.

### *Educational Activities*

The annual project for Master Students in Medical Social Work from the Simmons College School of Social Work was given in May 1942. This project is given at the Infirmary to acquaint the students with social problems arising in patients who have a loss of vision or of hearing. Appreciation is expressed to Dr. Ruth Guilder, Dr. Moses Lurie, Dr. Merrill King, Dr. Albert Sloane, Dr. Samuel Clarke, Dr. Jacob Finesinger, Consulting Psychiatrist, Miss Marie Scherer from the Nursing Department, and to Mrs. Eunice Acheson Pugh from the Boston Guild for the Hard of Hearing, all of whom generously contributed their time and efforts in the project, in addition to the social work staff.

During the summer a social worker from the Institute for Blind Children, Santurce, Puerto Rico, spent two months in the Eye Clinic observing and working with a small number of patients as a part of an educational program arranged for her by the Simmons College School of Social Work. In the Fall a student from the same school was placed in the Social Service Department for supervision in the practice of medical social work in preparation for the degree of Master of Science.

Miss Lucille Radlo, of our own staff, was given a month's leave of absence to go to Washington University to participate in a training program for medical social workers in Eye Clinics, arranged by the National Society for the Prevention of Blindness.

At the request of the Nursing Department the social service lectures have been increased to one hour per month. Lectures are devoted to medical social implications of eye diseases one month and on the medical social implications of ear, nose and throat diseases the alternate month.

The director read a paper on prevention of blindness at the New Hampshire State Conference of Social Work and also on the medical social aspects of glaucoma at the Massachusetts Council for the Blind. One conference has been held with House Officers on the Eye Service in relation to medical social problems arising from eye conditions. Miss Gorton gave a lecture at Perkins Institution for the Blind on medical social problems found in patients with glaucoma for a group of Harvard students studying problems of blindness.

The Ladies' Visiting Committee has continued interest in the Social Service Department. Their contribution of professional magazines on social work is sincerely appreciated by the staff. Two members of this Committee have served on the Social Service Advisory Committee.

Volunteers have contributed over 1,250 hours of service. They have been a real help in clerical and typing services as well as in routine clinic procedures.

Appreciation is expressed to the Social Service Advisory Committee for its sustaining interest and help in carrying forward the program for the department as outlined in the study of 1940.

Total expenses for relief in the Department have increased this year. Although expense for glasses was somewhat reduced, the expense for hearing aids has more than offset that reduction. The following tabulation gives some indication of funds expended and purposes for which they were used:

| | | |
|---|---|---|
| Total Medical Relief arranged through Social Service | | $3,803.99 |
| Glasses and prostheses | $1,663.48 | |
| Convalescent care | 169.54 | |
| Miscellaneous (dentistry, recreation, camp expenses, etc.) | 103.99 | |
| Hearing Aids | 1,704.39 | |
| Transportation of patients | 139.59 | |
| Refunds from patients | 956.06 | |
| Payments from outside social agencies | 964.45 | |
| A. For hearing aids | 815.45* | |
| B. For other purposes | 149.00 | |

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* This amount does not include payments made direct to Hearing Aid Companies by outside agencies.

EUNICE W. WILSON
*Director*

# Report of the Occupational Therapy Department

One full year has passed since the activities of the Nursery have been incorporated with our department. All children are supervised by the therapist with special emphasis on certain cases: separated retina, optic atrophy and hard of hearing being some of those requiring a specially planned program.

We find the work varies with the seasons. Spring, Summer and early Fall find us outside on roof-deck and porch at all feasible times where greater participation in group activity is possible. Christmas plans were left entirely in the hands of the therapists this year and although there were no trees for the children, Santa Claus, on two separate visits, was of sufficiently joyous nature to make the holiday gay for the large number of children who were here. A number of new friends of the Infirmary, including Occupational Therapy Volunteer Assistants brought in extra toys and presents for the children's stockings which were much appreciated by the hospital and thoroughly enjoyed by the patients.

In working with the children their chronological age is considered in relation to emotional and physical development; frequently, small adjustments of faulty habit training and poor coordination being overcome through the acquisition of new skills. Many times the discovery of latent talents which have perhaps never been noted or have not been properly guided, prove to be the foundation for a future hobby, avocation, or even a career. The results of such guided, progressive activity acquired while hospitalized frequently carry over as basic characteristics for life.

We believe there is a tremendous need for Occupational Therapy in a Nursery ward and since discovering how much time is required for this service, we have used our trained volunteers at every possible opportunity.

Volunteers have become a more integral part of the running of the department as we have expanded and changed through the years. Due to improved and intensified training with clearer definition of the specific need on each project, their efforts have been more efficient, thus proving to be a greater contribution to the whole. We are most fortunate to have a well-organized Volunteer

Service Bureau with an alert efficient director, Miss Eleanor Greenwood, on whom to call to fill such needs as they arise. The sources from which the volunteers are drawn have been markedly different this year. Formerly, our dependence had been almost entirely upon the single afternoon the college or secretarial student could give. The majority now are drawn from the more mature trained group who give one or two whole days weekly. They are serious, dependable, have a deep insight and greater perspective and contribute much more to the smooth running of the department. Some have even become sufficiently interested in the needs of the Infirmary to bring gifts for the patients and new ideas to the department.

Early in the war, the Office of Civilian Defense in cooperation with the American Occupational Therapy Association, set up a special course to be given in various sections of the country in order to train women as volunteer assistants to fill the urgent and growing need for personnel in the universally understaffed occupational therapy departments in all types of institutions. They are to assist the trained technician but are not to assume independent responsibilities for therapeutic procedure. The course was patterned somewhat similarly to those given by the Red Cross to train Nurses' Aides and Gray Ladies.

Two such courses have been offered in Boston from which some fifteen graduates are now working in an entirely voluntary capacity under the direct supervision of Registered Therapists. Some of our most valuable volunteers have had this basic training which entitles them to serve in any part of the country to which they might be transferred. It is the first attempt at organizing volunteer work in this field and has proven to be most satisfactory. Those of us who must depend so greatly on volunteer help in the administering of the work of our departments are responsible for the teaching and lectures they receive in the 60 hour course.

During the holiday season, despite the fact that all decorations were drastically curtailed due to the new restricted fire regulations, we kept our Christmas merry still! We were most fortunate to have the opportunity to learn Bell Ringing through the kind generosity of Mrs. Arthur Shurcliff of the famous group who have been such an integral part of the Beacon Hill festivities in years past. As the outdoor activity of her group was impossible during this war-time holiday, she offered to come in and teach the patients this fine old traditional method of ringing out the carols. The problem of training and maintaining a fixed group of five patients to practice for the great day when they could stroll through the wards to entertain the bed patients was a tall one, but again . . . our good volunteers came to our assistance to fill in the vacancies and the final performance was enjoyed by all.

For the first time this year we were directly associated with a new course in Occupational Therapy given at Michigan State Normal College and trained one of their students during an eight-week period late in the summer. It was considered a pre-clinical training to give the student insight into the hospital atmosphere; she served, therefore, partly in the capacity of a volunteer and partly as a student observer. This type of training will undoubtedly continue as the college considered the time spent here as a most valuable contribution to the education of the student.

Acknowledgments are due many who have given so generously of time and money as well as bringing in various tray favors, gifts for Christmas and such throughout the year. We are always most grateful for the spirit which prompts such things by the surrounding community as it shows a growing interest in the Infirmary.

HELEN K. WADE, O.T.R.
*Director, Occupational Therapy*

# Report of the Howe Laboratory of Ophthalmology

WITH the mobilization of scientific resources throughout the country, the Howe Laboratory was early called upon to undertake certain problems concerned with the national effort. Prior to the twelve months covered by this report some investigations pertaining to national defense had already been under way. In the first few months of the present period the rest of the Laboratory's activities were realigned to accord with the national needs and many of the researches previously pursued have had to be abandoned for the time being. This has been in keeping with the precept of the President of Harvard University, of which the Howe Laboratory is a department, that, "until the War is won, the requirements of the nation take precedence over all other considerations."

The Government projects have necessitated considerable expansion in personnel and facilities. The investigations are of a confidential nature and the results cannot be reviewed at the present time. Nevertheless, it is possible to state that some of the instruments and methods developed in the Howe Laboratory during this period have already passed the experimental stage and are at the present time, incorporated in the service of the Armed Forces.

The following are some of the investigations which had attained a measure of finality or had given reasonably conclusive results during the past year before being discontinued. The physiologic studies on the cornea, begun during the previous year, were carried further by Doctors Cogan and Kinsey with especial emphasis on the permeability characteristics of the limiting membranes and the hydration properties of the normal cornea. The results of these studies have been presented in a series of five papers in the Archives of Ophthalmology and in a resumé in Science. A biochemical analysis of the blood aqueous humor exchange was carried out by Doctors Kinsey and Grant, making use of numerous tracer elements. The findings and interpretations are reported in two recent articles in the *Journal of Physiology*. The clinical applications were scarcely touched upon in the foregoing investigations, but it is hoped to continue accumulating clinical data for this purpose. A model of the visual pathways, constructed in the Howe Laboratory was described by Dr. Sumner Liebman in the Archives of Ophthalmology. This should be of value in teaching.

In March, Dr. Marion Hines, Associate Professor of Anatomy, Johns Hopkins Medical School, gave the Howe Lecture of Ophthalmology under the auspices of the Howe Laboratory. The lecture, given at the Harvard Medical School, was entitled "Recent Contribution to the Localization of Vision Within the Central Nervous System" and has subsequently been published in the Archives of Ophthalmology.

Despite the war work, the staff of the Howe Laboratory have reported, during the past year, the results of many of their investigations at several research meetings. One of these meetings was a seminar held at the Howe Laboratory, to which the interested members of all departments of the University were invited. In addition, Dr. Cogan has presented several talks to the medical profession on the ophthalmologic aspects of chemical warfare. Particularly noteworthy, is the contribution which the entire staff has made as an informal consultation center for research and clinical problems pertaining to the eye. The mutual benefit from this type of informal consultation is incalculable.

The active personnel of the Howe Laboratory now consists of five full-time and one part-time staff appointees, six technical assistants, one secretary and one part-time diener. The papers of the Howe Laboratory published during the past year are listed elsewhere in this report.

The Howe Library continues to serve well the functions for which it was created. It has, nevertheless, suffered a major loss in the death, during the past year, of Mrs. Lucien Howe. Mrs. Howe's interest and contributions have been largely responsible for the growth of the Library since its founding. Only a few months prior to her death she contributed a sum of $200 for the purchase of new books, on the condition that a like sum could be raised from outside sources. This latter was acquired through the solicitations of Dr. E. B. Dunphy. Finally Mrs. Howe made arrangements so that the endowment of the Library would be substantially increased some years after her death. Her benefactions are therefore to be continued in the future.

DAVID G. COGAN, M.D.
*Acting Director*

# Report of the Lucien Howe Library of Ophthalmology

The Lucien Howe Library continues to function with steadily increasing usefulness. In addition to the library's constant acquisition of new publications as they appear upon the market, there is also a marked increase in the demand for material from other libraries through the Inter-library loan system.

During the year, a special fund of $400 for the purchase of books was placed at the disposal of the library through the generosity of Mrs. Lucien Howe, who gave $200 on condition that a like sum be raised from another source. Through the efforts of Dr. Dunphy, the required sum was raised, and already the library has been enriched by the purchase of many books from this fund.

Book plates designed to designate the ownership of the three different classifications of books in the library were finally decided upon, and are now being placed in the books. In detail they designate: (1) books formerly owned by Dr. Lucien Howe and those since donated by Mrs. Howe; (2) books which are the property of the Massachusetts Eye and Ear Infirmary; and (3) books bought jointly by the Massachusetts Eye and Ear Infirmary and the Lucien Howe Library of Ophthalmology.

It is with deep regret that we record the death last October of Mrs. Lucien Howe who for so many years took an outstanding interest in the library and who contributed most generously of her time and money. Her frequent visits are missed by all who had the pleasure of knowing her and her sparkling wit.

Following are the statistics for the year:

| | *1942* | *1941* |
|---|---|---|
| Number of periodical volumes | 1,965 | 1,933 |
| Number of other volumes | 991 | 955 |
| Number of pamphlets | 2,547 | 2,502 |
| Number of bound volumes and pamphlets loaned | 1,150 | 1,295 |
| Number of inter-library loans | 493 | 407 |
| Total attendance of readers | 6,234 | 6,580 |

Ada Messenger
*Librarian*

# Scientific Papers Published or Read by the Staff

## January 1, 1942 to January 1, 1943

## DEPARTMENT OF OPHTHALMOLOGY

"Aniseikonia and Orthoptics." By Walter B. Lancaster, M.D. *American Journal of Ophthalmology*, March 1942, Vol. 25, No. 3, pp. 352–353.

"A Reply to Certain Criticisms of Aniseikonia." By Walter B. Lancaster, M.D. Read before the American Ophthalmological Society Meeting at Hot Springs, Virginia, May 1942. To appear in the *American Journal of Ophthalmology*.

"Nature, Scope and Significance of Aniseikonia." By Walter B. Lancaster, M.D. Read before the Meeting of the American Medical Association at Atlantic City, New Jersey, Section on Ophthalmology, June 1942. *Archives of Ophthalmology*, November 1942, Vol. 28, No. 5, pp. 767–779.

"Glaucoma." By Walter B. Lancaster, M.D. Read before the Dartmouth Eye Institute, September 1942.

"The Story of Asthenopia." By Walter B. Lancaster, M.D. DeSchweinitz Lecture delivered before the College of Physicians at Philadelphia, Pennsylvania, November 19, 1942. To appear in the *Archives of Ophthalmology*.

"Ophthalmic Therapeutics." By Edwin B. Dunphy, M.D. Post-Graduate Course, Gill Memorial Hospital, Roanoke, Virginia, April 1942.

"Diseases of the Optic Nerve Including Retrobulbar Neuritis." By Edwin B. Dunphy, M.D. Post-Graduate Course, Gill Memorial Hospital, Roanoke, Virginia, April 1942.

"The Evaluation of Orthoptic Training." By Edwin B. Dunphy, M.D. Post-Graduate Course, Gill Memorial Hospital, Roanoke, Virginia, April 1942.

"Conjunctivitis—Classification and Treatment." By Edwin B. Dunphy, M.D. Post-Graduate Course, Gill Memorial Hospital, Roanoke, Virginia, April 1942.

"Treatment of Eye Injuries." By Edwin B. Dunphy, M.D. Read before the New England Otolaryngological Society, Boston, Massachusetts, April 29, 1942.

"Injuries of the Eyes." By Edwin B. Dunphy, M.D. Read before the Post-Graduate Institute of the Massachusetts Medical Society, Boston, Massachusetts, November 7, 1942.

"Fibroblastic Overgrowth of Persistant Tunica Vasculosa Lentis in Infants Born Prematurely." Report of cases. By Theodore L. Terry, M.D. Read before the Annual Meeting of the American Ophthalmological Society. 1942 (In press.)

"Studies in Development and Regression of the Hyaloid Artery and Tunica Vasculosa Lentis." By Theodore L. Terry, M.D. Read before the Association for Research, June 1942. *American Journal of Ophthalmology*, December 1942, Vol. 25, pp. 1409–1423.

"Etiological Factors." By Theodore L. Terry, M.D. Read before the American Medical Association, Section of Ophthalmology, June 1942. (In press.)

"Pathology of Unsuccessful Operations for Cataract." By Theodore L. Terry, M.D. Read before The New York Academy of Medicine, December 21, 1942.

"Principles of Refraction." By Harry K. Messenger, M.D. Medical Clinics of North America, September 1942, Boston Number, pp. 1595–1614.

"A Critical Evaluation of Pseudo-Isochromatic Plates and Suggestions for Testing Color Vision." By J. Roswell Gallagher, M.D., Constance D. Gallagher, and Albert E. Sloane, M.D. *The Yale Journal of Biology and Medicine*, October 1942, Vol. 15, No. 1.

"The Use of Doryl in the Treatment of Glaucoma." By Samuel T. Clarke, M.D. *American Journal of Ophthalmology*, Vol. 25, No. 3, March 1942.

"Goniotomy." By Samuel T. Clarke, M.D. *American Journal of Ophthalmology*, Vol. 25, No. 4, April 1942.

"Glaucoma Program of the Massachusetts Eye and Ear Infirmary." By Garrett L. Sullivan, M.D. National Society for the Prevention of Blindness, Inc., New York, New York.

"Lipoid Degeneration of the Cornea." By Hugh C. Donahue, M.D. *American Journal of Ophthalmology*, March 1942.

"Observations on Sympathetic Uveitis." By Hugh C. Donahue, M.D. Eye, Ear, and Nose, Throat Monthly, September, 1942.

## DEPARTMENT OF OTOLARYNGOLOGY

"Tumors of the Nasopharynx." By LeRoy A. Schall, M.D. Read before the Eastern New York Ear, Nose and Throat Society, Albany, New York, March 5, 1942

"Cavernous Sinus Thrombophlebitis." By LeRoy A. Schall, M.D. Mid-South Postgraduate Medical Assembly, Memphis, Tennessee, February 10–13, 1942. *The Mississippi Doctor*, May 1942; pp. 398–401.

"Tumors of the Sinuses." By LeRoy A. Schall, M.D. New York Academy of Medicine, Section of Otolaryngology, New York, December 16, 1942.

"Newer Bactericidal Substances." By LeRoy A. Schall, M.D. New York Otolaryngological Society, New York, December 17, 1942.

"Sulfonamide Drugs in the Treatment of Acute Otitis Media during the year 1942." By Harold G. Tobey, M.D. *Archives of Otology, Rhinology and Laryngology*, Vol. 51, p. 945, December 1942.

"Hearing in Chronic Otitis Media." By Philip E. Meltzer, M.D. *Annals of Otology, Rhinology and Laryngology*, Vol. 51, No. 3, p. 727.

"Bone Repair Following Defects Made in the Skull of Cats by Means of Different Instruments." By J. Lempert, M.D., P. E. Meltzer, M.D. and B. Spector, M.D. *Archives of Otolaryngology*, Vol. 36, No. 4, October 1942.

"Otology: The Treatment of Deafness in the Light of Recent Animal Experimentation." By M. H. Lurie, M.D. *New England Journal of Medicine*, May 28, 1942.

"The Degeneration and Absorption of the Organ of Corti in Animals." By M. H. Lurie. *Annals of Otology, Rhinology and Laryngology*, September 1942.

"Gastric Lavage in Healthy Adolescents." By C. Floyd, H. A. Novack and C. G. Page, M.D. *The American Review of Tuberculosis*, Vol. XLVI, No. 6, December 1942.

"Early Treatment of Fractures of the Mandible." By V. H. Kazanjian, M.D., D.M.D. and M. S. Strock, D.M.D. *Journal of the American Dental Association*, Vol. 29, pp. 76–83, January 1942.

"An Outline of the Treatment of Extensive Comminuted Fractures of the Mandible." By V. H. Kazanjian, M.D., D.M.D. *American Journal of Orthodontics and Oral Surgery*, Vol. 28, No. 5, Oral Surgery pp. 265–274, May 1942.

"Primary Treatment of Gunshot Wounds of the Face." By V. H. Kazanjian, M.D., D.M.D. Chapter in *Ophthalmology and Otolaryngology Military Surgical Manuals*, National Research Council. W. B. Saunders Company, Philadelphia, 1942

"The Treatment of Congenital Atresia of the Choanae." By V. H. Kazanjian, M.D., D.M.D. *Annals of Otology, Rhinology and Laryngology*. Vol. 51, No. 3, p. 704, September 1942.

"Immobilization of Wartime, Compound, Comminuted Fractures of the Mandible." By V. H. Kazanjian, M.D., D.M.D. *American Journal of Orthodontics and Oral Surgery*, Vol. 28, No. 10, Oral Surgery pp. 551–560, October 1942.

"Roentgen Findings in Acute Infections of the Mastoid Cells." By A. S. Macmillan, M.D. *Annals of Otology, Rhinology and Laryngology*, Vol. 51, No. 3, pp. 718, September 1942.

"A Case of Vitamin Deficiency with Laryngeal Complications." By Robert L. Goodale, M.D. Read at the American Laryngological Association Annual Meeting, Atlantic City, May 1942.

"Some Causes for Failure in Frontal Sinus Surgery." By Robert L. Goodale, M.D. *Annals of Otology, Rhinology and Laryngology*, September 1942.

"An Analysis of Results of Sinus Surgery in 75 Cases of Bronchiectasis." By Robert L. Goodale, M.D. Presented as a Candidate's Thesis to the American Laryngological, Rhinological and Otological Society, October 1942. To be published in the *Archives*.

"Bronchiectasis (Broncho-Sinusitis)." By Robert L. Goodale, M.D. To be published in the *Cyclopedia of Diseases of the Nose, Throat and Ear.*

"Bilateral Jugular Ligation Following Bilateral Suppurative Mastoiditis." By Maurice G. Evans, M.D. *Annals of Otology, Rhinology and Laryngology*, September 1942, Vol. 51, No. 3, p. 615.

"Acute Fulminating Osteomyelitis of the Frontal Bone: A Review and Prediction." By Gustave B. Fred, M.D. *Annals of Otology, Rhinology and Laryngology*, September 1942, Vol. 51, No. 3, p. 638.

"The Treatment of Sinusitis." By Francis L. Weille, M.D. Medical Clinics of North America, September 1942. Boston Number.

"Fourteen Years of Practical Experience with Sinus Problems in an Allergy Clinic." By Francis L. Weille, M.D. *Annals of Otology, Rhinology and Laryngology*, September 1942.

"Diagnosis and Treatment of Labyrinthitis Secondary to Tympanic Infection." By Philip Mysel, M.D. *Annals of Otology, Rhinology and Laryngology*, September 1942. Vol. 51, No. 3, p. 761.

"Meniere's Disease." By Charles I. Johnson, M.D. *Annals of Otology, Rhinology and Laryngology*, Vol. 51, No. 3, p. 676.

"Laryngocele." By Charles H. Allman, M.D. and David P. Cordray, M.D. *Annals of Otology, Rhinology and Laryngology*, September 1942, Vol. 51, No. 3, p. 585.

"Peroral Endoscopy in a Naval Hospital." By Charles H. Allman, M.D. *U. S. Naval Medical Bulletin*, October 1942.

"Dermoid Cysts of the Nose." By Edgar M. Holmes, M.D. *Annals of Otology, Rhinology and Laryngology*, September 1942, Vol. 51, No. 3, p. 662.

"The Physical Examination of the Hard of Hearing." By Werner Mueller, M.D. *Annals of Otology, Rhinology and Laryngology*, September 1942.

"Audiometry in General Practice." By Werner Mueller, M.D. *New England Journal in Medicine*, October 1942.

"The Otoscopic Picture in Deafness." By Werner Mueller, M.D. (In press.)

"Anatomy and Physiology of the Ear." By John R. Richardson, M.D. and Edgar M. Holmes, M.D. *Archives of Otolaryngology*, March 1942, Vol. 35, pp. 408–501.

"Observations in Acute Otitis Media." By John R. Richardson, M.D. *Annals of Otology, Rhinology and Laryngology*, September 1942, Vol. 51, No. 3, p. 804. A summary of this paper was given before the New England Oto-Laryngological Society at the Massachusetts Eye and Ear Infirmary, February 1942.

"The Evaluation of Hearing Disabilities in Pre-School Children." By Ruth P. Guilder, M.D. Read before the New England Lip Reading Teachers' Association, March 7, 1942.

"Hearing Handicaps in Children of Today." Importance of Clinic Programs for their Early Study and Remedial Guidance." By Ruth P. Guilder, M.D. *New England Journal of Medicine*, Vol. 227, pp. 619–624, 1942.

"Audiometric and Word Test Findings." Preliminary Report from the Winthrop Foundation." By Ruth P. Guilder, M.D. Read at the annual meeting of the Massachusetts Eye and Ear Infirmary Alumni Association and the New England Otolaryngological Society, November 18, 1942. To be published in the *Annals of Otolaryngology*.

# Publications of the Staff of the Howe Laboratory of Ophthalmology

"Water Movement and the Eye." By V. E. Kinsey, Ph.D., W. M. Grant, M.D. and D. G. Cogan, M.D. *Archives of Ophthalmology*, February 1942, Vol. 27, pp. 242–252.

"The Cornea (I). Transfer of Water and Sodium Chloride by Osmosis and Diffusion Through the Excised Cornea." By D. G. Cogan, M.D. and V. E. Kinsey, Ph.D. *Archives of Ophthalmology*, March 1942, Vol. 27, pp. 466–576.

"The Cornea (II). Transfer of Water and Sodium Chloride by Hydrostatic Pressure Through the Excised Cornea." By D. G. Cogan, M.D. and V. E. Kinsey, Ph.D. *Archives of Ophthalmology*, April 1942, Vol. 27, pp. 696–704.

"The Cornea (III). Hydration Properties of Excised Corneal Pieces." By V. E. Kinsey, Ph.D. and D. G. Cogan, M.D. *Archives of Ophthalmology*, August 1942, Vol. 28, pp. 272–284.

"The Cornea (IV). Hydration Properties of the Whole Cornea." By V. E. Kinsey, Ph.D. and D. G. Cogan, M.D. *Archives of Ophthalmology*, September 1942, Vol. 28, pp. 449–463.

"The Cornea (V). Physiologic Aspects." By D. G. Cogan, M.D. and V. E. Kinsey, Ph.D. *Archives of Ophthalmology*, October 1942, Vol. 28, pp. 661–669.

"Physiologic Studies on the Cornea." By D. G. Cogan, M.D. and V. E. Kinsey, Ph.D. *Science*, June 12, 1942, Vol. 95, pp. 607–608.

"Sodium Chloride and Phosphorus Movement and the Eye." By V. E. Kinsey, Ph.D., W. M. Grant, M.D., D. G. Cogan, M.D., J. J. Livingood and B. R. Curtis. *Archives of Ophthalmology*, June 1942, Vol. 27, pp. 1126–1131.

"A Model of the Visual Pathways." By Sumner D. Liebman, M.D. *Archives of Ophthalmology*, June 1942, Vol. 27, pp. 1122–1125.

"Further Chemical Studies on Blood-Aqueous Humor Dynamics." By V. E. Kinsey, Ph.D. and W. M. Grant, M.D. *Journal of General Physiology*, November 20, 1942, Vol. 26, No. 2, pp. 119–130.

"The Mechanism of Aqueous Humor Formation Inferred From Chemical Studies on Blood Aqueous Humor Dynamics." By V. E. Kinsey, Ph.D. and W. M. Grant, M.D. *Journal of General Physiology*, November 20, 1942, Vol. 26, No. 2, pp. 131–149.

# Table of Diseases

## COMPILED FROM RECORDS

January 1, 1942 to January 1, 1943

| | *House* | *Out-Patient* |
|---|---|---|
| SECTION I<br>Specific Infectious Diseases—General Diseases | 125 | 14 |
| SECTION II<br>Diseases Due to Animal Parasites | 0 | 0 |
| SECTION III<br>Diseases of Metabolism and Deficiency | 20 | 7 |
| SECTION IV<br>Diseases Peculiar to Infancy | 9 | 1 |
| SECTION V<br>Diseases Due to Physical Agents | 8 | 0 |
| SECTION VI<br>Poisonings, Intoxications | 0 | 0 |
| SECTION VII<br>Tumors, Benign and Malignant | 392 | 62 |
| SECTION VIII<br>Congenital Malformations | 81 | 0 |
| SECTION IX<br>Injuries | 64 | 2 |
| SECTION X<br>Diseases of the Skin | 39 | 8 |
| SECTION XI<br>Diseases of the Circulatory System | 21 | 5 |
| SECTION XII<br>Diseases of the Lymphatic System | 9 | 1 |
| SECTION XIII<br>Diseases of the Blood-Forming Organs | 3 | 0 |
| SECTION XIV<br>Diseases of the Endocrine Glands | 1 | 0 |

| | *House* | *Out-Patient* |
|---|---|---|
| SECTION XV | | |
| Diseases of the Nervous System | 44 | 2 |
| SECTION XVI | | |
| Diseases of the Bones, Joints, Muscles, Tendons and Fascia | 15 | 0 |
| SECTION XVII | | |
| Diseases and Injuries of the Eye and Ear | | |
| Diseases of the Eye | 3,650 | 1,783 |
| A. General | 462 | 468 |
| B. Lids | 78 | 127 |
| C. Lacrimal Apparatus | 76 | 13 |
| D. Conjunctiva | 104 | 139 |
| E. Cornea | 245 | 729 |
| F. Anterior Chamber | 17 | 2 |
| G. Sclera | 7 | 2 |
| H. Lens | 1,385 | 92 |
| J. Uveal Tract | 50 | 6 |
| 1. Iris | 236 | 34 |
| 2. Ciliary Body | 2 | 0 |
| 3. Choroid | 20 | 13 |
| K. Retina | 141 | 21 |
| L. Vitreous | 18 | 3 |
| M. Optic Nerve | 36 | 28 |
| N. Eye Ball | 231 | 13 |
| O. Orbit | 30 | 30 |
| P. Disturbances of Motion | 512 | 93 |
| Diseases of the Ear | 544 | 553 |
| Q. General | 3 | 4 |
| R. Auricle | 20 | 0 |
| S. External Auditory Canal | 18 | 494 |
| T. Eustachian Tube | 0 | 0 |
| V. Middle Ear and Mastoid | 496 | 53 |
| W. Internal Ear | 10 | 2 |
| SECTION XVIII | | |
| Diseases of the Nose and Accessory Sinuses | 899 | 47 |
| SECTION XIX | | |
| Diseases of the Mouth, Lips, Cheeks, Pharynx, Tonsils and Palate | 1,755 | 26 |
| SECTION XX | | |
| Diseases of the Jaw, Teeth and Gums | 19 | 1 |

| | *House* | *Out-Patient* |
|---|---|---|
| SECTION XXI<br>Diseases of the Tongue | 0 | 0 |
| SECTION XXII<br>Diseases of the Esophagus | 103 | 1 |
| SECTION XXIII<br>Diseases of the Stomach | 1 | 1 |
| SECTION XXV<br>Diseases of the Liver and Biliary Tract | 2 | 0 |
| SECTION XXIX<br>Diseases of the Larynx | 54 | 0 |
| SECTION XXX<br>Diseases of the Trachea and Bronchi | 40 | 0 |
| SECTION XXXI<br>Diseases of the Lungs | 13 | 0 |
| SECTION XXXII<br>Diseases of the Pleura and Mediastinum | 1 | 0 |
| SECTION XXXV<br>Diseases of the Urethra, Male and Female | 1 | 0 |
| SECTION XXXVI<br>Diseases of the Male Generative Organs | 1 | 0 |
| SECTION XL<br>Allergy | 19 | 1 |
| SECTION XLII<br>Ill-Defined or Unclassified Diseases | 60 | 78 |
| Totals | 7,993 | 2,593 |

# Graduate House Officers

Albaugh, Clarence H., *Ophthalmic*, 1940.
Suite 1130, Roosevelt Building, Los Angeles, California.
Alexander, Seeyman L., *Aural*, 1919.
170 St. George Street, Toronto, Ontario, Canada.
Allen, John H., *Aural*, 1904. 32 Deering Street, Portland, Maine.
*Allman, Charles H., *Oto-Laryngological*, 1930.
520 Commonwealth Avenue, Boston, Mass.
Amadon, A. M., *Aural*, 1897-98. (Deceased.)
Amberg, Emil, *Aural*, 1897.
1244 West Boston Boulevard, Detroit, Michigan.
Anthony, Alan R., *Ophthalmic*, 1936.
1738 Angus Drive, Vancouver, British Columbia.
Anthony, Marc, *Ophthalmic*, 1929.
Westminster Apts., Spokane, Washington.
Aylesworth, Frederick A., *Ophthalmic*, 1916.
Suite 1001, Medical Arts Building, Toronto, Ontario, Canada.
Bair, Hugo L., *Ophthalmic*, 1932. Mayo Clinic, Rochester, Minnesota.
Barss, Richard, *Ophthalmic*, 1877.
Bassen, Edward J., *Ophthalmic*, 1928.
654 Madison Avenue, New York City, N. Y.
Baur, Frederick E., *Aural*, 1902. 43 Grande Ave., Milwaukee, Wisconsin.
Beetham, William P.. *Ophthalmic*, 1929.
108 Bay State Road, Boston, Mass.
Berry, Gordon, *Aural*, 1910. 36 Pleasant Street, Worcester, Mass.
Bigelow, F. Nolton, *Aural*, 1910. (Deceased.)
Birdsall, Clarence H., *Aural*, 1916; *Ophthalmic*, 1918.
26 Summer Street, Haverhill, Mass.
Blaisdell, Irl H., *Oto-Laryngological*, 1939.
Medical Arts Building, Syracuse, New York.
Bogan, Frederick L., *Aural*, 1908.
464 Commonwealth Avenue, Boston, Mass.
Boies, Lawrence R., *Oto-Laryngological*, 1931.
1937 Medical Arts Building, Minneapolis, Minnesota.
Bradford, Henry W., *Ophthalmic*, 1877. (Deceased.)
Brady, Frank W., *Oto-Laryngological*, 1942.
8 Merrimac Street, Lowell, Mass.
Brawner, Leon E., *Oto-Laryngological*, 1925.
384 Peachtree Street, 701 Medical Arts Building, Atlanta, Georgia.
Bridgewood, David, *Ophthalmic*, 1926. (Deceased.)
Briggs, Wallace R., *Ophthalmic*, 1920.
229 M Street, Sacramento, California.
Brown, Lester A., Jr., *Oto-Laryngological*, 1937.
478 Peachtree Street, Suite 815, Atlanta, Georgia.
Burger, Franklyn D., *Ophthalmic*, 1941.
395 Commonwealth Avenue, Boston, Mass.
Burke, J. Robert, *Ophthalmic*, 1918. *Aural*, 1919.
207 Elm Street, Holyoke, Mass.
Cahill, Harry P., *Aural*, 1914. (Deceased.)
Cameron, Walter C., *Opthalmic*, 1930.
1103 Rhodes Building, Tacoma, Washington.
Canfield, R. Bishop, *Aural*, 1901. (Deceased.)

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* In military service.

Capeles, Thomas F., *Ophthalmic*, *Aural*, 1915-1916.
191 Merrimac Street, Haverhill, Mass.
Carleton, Ralph, *Ophthalmic*, 1896. (Deceased.)
Caron, Armand L., *Oto-Laryngological*, 1927.
36 Pleasant Street, Worcester, Mass.
Carroll, Frank D., *Ophthalmic*, 1935.
Eye Institute, 635 W. 165*th* Street, New York, N. Y.
Carroll, Henry G., *Ophthalmic*, 1911.
270 Commonwealth Avenue, Boston, Mass.
Carter, Leland F., *Ophthalmic*, 1926.
4061 Pasadena Avenue, Detroit, Michigan.
Case, Paul H., *Ophthalmic*, 1938.
822 Professional Building, Pheonix, Arizona.
*Casten, Virgil G., *Ophthalmic*, 1931. 520 Commonwealth Avenue, Boston, Mass.
*Cavanaugh, Thomas, *Ophthalmic*, 1940.
395 Commonwealth Avenue, Boston, Mass.
Cave, Linus S., *Oto-Laryngological*, 1927.
Physicians' Building, Syracuse, N. Y.
Chamberlain, Allen H., *Ophthalmic*, 1889. (Deceased.)
Chandler, H. Beckles, *Ophthalmic*, 1880. (Deceased.)
Chandler, H. Beckles, Jr., *Ophthalmic*, 1912.
34½ Beacon Street, Boston, Mass.
Chandler, Paul A., *Ophthalmic*, 1925. 5 Bay State Road, Boston, Mass.
Cheney, Frederick E., *Ophthalmic*, 1888. (Deceased.)
Cheney, Robert C., *Ophthalmic*, 1921. (Deceased.)
Clap, Edmund W., *Ophthalmic*, 1899.
390 Commonwealth Avenue, Boston, Mass.
Clarke, Jonas, *Ophthalmic*, 1877.
Clarke, Samuel T., *Ophthalmic*, 1939.
403 Commonwealth Avenue, Boston, Mass.
*Clough, Joseph M., *Oto-Laryngological*, 1939; *Ophthalmic*, 1941.
Cogan, David G., *Ophthalmic*, 1935. 243 Charles Street, Boston, Mass.
Converse, John M., *Oto-Laryngological*, 1938.
121 East 60th Street, New York City, New York
Cooper, Kemp G., *Oto-Laryngological*, 1930.
1516 Cook Street, Denver, Colorado.
*Cordray, David P., *Oto-Laryngological*, 1940.
270 Commonwealth Avenue, Boston, Mass.
Coughlan, John N., *Aural*, 1900. (Deceased.)
*Coyle, John A., *Ophthalmic*, 1931. Wilder, Vermont.
Crewson, Arthur L., *Oto-Laryngological*, 1927.
120 Sydney Street, Cornwall, Ontario, Canada.
Crockett, Eugene A., *Aural*, 1892. (Deceased.)
Davidson, Herman P., *Ophthalmic*, 1920.
Suite 1424, 30 North Michigan Avenue, Chicago, Illinois.
Davis, Frederick A., *Ophthalmic*, 1892. (Deceased.)
Day, Charles Orrin, *Aural*, *Laryngological*, 1922. (Deceased.)
Day, Kenneth, *Oto-Laryngological*, 1924.
121 University Place, Pittsburgh, Pennsylvania.
*Dean, Abbott W., *Ophthalmic*, 1929.
424 Oakland Avenue, Council Bluffs, Iowa.
Donahue, Hugh C., *Ophthalmic*, 1931.
520 Commonwealth Avenue, Boston, Mass.
Dowling, Joseph L., *Ophthalmic*, 1918.
57 Jackson Street, Providence, Rhode Island.

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* In military service.

*Drooker, Joshua C., *Oto-Laryngological*, 1939.
20 Charlesgate West, Boston, Mass.
Drury, Dana W., *Aural*, 1906. 483 Beacon Street, Boston, Mass.
*Dunphy, Edwin B., *Ophthalmic*, 1923. 243 Charles Street, Boston, Mass.
Easton, Elwood T., *Ophthalmic*, 1900. (Deceased.)
Easton, Mahlon T., *Ophthalmic*, 1936. 209 Newbury Street, Boston, Mass.
Ellis, Edward K., *Ophthalmic*, 1905. 412 Beacon Street, Boston, Mass.
Ernlund, Carl H., *Oto-Laryngological*, 1927. 5 Bay State Road, Boston, Mass.
Evans, Maurice G., *Oto-Laryngological*, 1928.
416 Marlborough Street, Boston, Mass.
Evans, William H., *Ophthalmic*, 1924.
510–517 Dollar Bank Building, Youngstown, Ohio.
*Farrell, James I., *Ophthalmic*, 1932. Kempf Building, Utica, New York.
*Faunce, Calvin B., *Aural*, 1907. 412 Beacon Street, Boston, Mass.
*Filmer, George A., *Ophthalmic*, 1939.
530 Metropolitan Building, Denver, Colorado.
Finck, Harry P., *Ophthalmic*, 1919; *Aural*, 1920. (Deceased.)
Fisher, Carl, *Ophthalmic*, 1907.
1930 Wilshire Boulevard, Los Angeles, California.
Fisher, Stanwood E., *Aural*, 1909. 122 State Street, Portland, Maine.
Foote, Charles M., *Ophthalmic*, 1940.
412 North Hastings Avenue, Hastings, Nebraska.
Frackelton, Ralph J., *Oto-Laryngological*, 1933.
15701 Detroit Avenue, Lakewood, Ohio.
Franklin, C. Ray, *Ophthalmic*, 1931.
168th Street and Broadway, New York City, New York.
*Frazee, John R., *Oto-Laryngological*, 1934. 311 Beacon Street, Boston, Mass.
Fred, Gus Bernard, *Oto-Laryngological*, 1925.
475 Commonwealth Avenue, Boston, Mass.
Frisch, Frederick, *Ophthalmic*, 1908. (Deceased.)
Fultz, William E., *Ophthalmic*, 1927. 45 Kaye Street, Halifax, Nova Scotia.
Gabriels, Joseph A. C., *Ophthalmic*, 1921. 435 State Street, Albany, New York.
Gallagher, John H. C., *Aural*, 1920. (Deceased.)
Gaudreau, Honore E., *Ophthalmic*, 1930. 293 Bridge Street, Springfield, Mass.
Gaus, Louis, *Ophthalmic*, 1921. Ticonderoga, New York.
Germain, Harry H., *Ophthalmic*, 1899. 475 Commonwealth Avenue, Boston, Mass.
Gibson, Arthur C., *Aural*, 1921. 516 Sutter Street, San Francisco. California.
Gifford, Harold, Jr., *Ophthalmic*, 1934.
1620 Medical Arts Building, Omaha, Nebraska.
Gilbert, John J., *Ophthalmic*, 1917; *Aural*, 1920.
221 Thayer Street, Providence, Rhode Island.
Gillespie, Elmer H., *Oto-Laryngological*, 1932.
1101 Beacon Street, Brookline, Mass.
Goldman, A. Milton, *Ophthalmic*, 1924.
121 E. 60th Street, New York City, N. Y.
Goodale, Robert L., *Oto-Laryngological*, 1926.
330 Dartmouth Street, Boston, Mass.
Goodall, Edwin B., *Ophthalmic*, 1918. 71 Bay State Road, Boston, Mass.
Goodell, William, *Aural*, 1906. 121 Chestnut Street, Springfield, Mass.
Goray, J. P., *Ophthalmic*, 1897. Day Street, Fitchburg, Mass.
Gray, Gerald H., *Oto-Laryngological*, 1929.
420 Mountain Avenue, Piedmont, California.
Grossman, Herman P., *Ophthalmic*, 1934.
210 Angell Street, Providence, Rhode Island.
*Gundersen, Trygve, *Ophthalmic*, 1930. 5 Bay State Road, Boston, Mass.

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* In military service.

Hacking, Raymond F., *Ophthalmic*, 1927.
105 Waterman Street, Providence, Rhode Island.
Halliday, Armond A., *Ophthalmic*, 1918; *Aural*, 1919. (Deceased.)
*Halton, Edward J., *Oto-Laryngological*, 1942.
Hammond, Philip, *Aural*, 1894. (Deceased.)
Happ, Linley C., *Oto-Laryngological*, 1931.
76 Freeman Parkway, Providence, Rhode Island.
Haskell, Henry H., *Ophthalmic*, 1893. (Retired.)
2066 E. Mountain Avenue, Pasadena, California.
Hawkins, Henry, *Ophthalmic*, 1909. 394 Marlborough Street, Boston, Mass.
Heffernan, David A., *Ophthalmic*, 1904.
270 Commonwealth Avenue, Boston, Mass.
Heine, Lyman H., *Oto-Laryngological*, 1927. Freemont, Nebraska.
Hennessey, William W., *Aural*, 1908. 33 Essex Street, Salem, Mass.
Hill, Frederick T., *Aural*, 1916. 111 Main Street, Waterville, Maine.
Hobart, Carl, *Ophthalmic*, 1922.
518 Metropolitan Building, St. Louis, Missouri.
Hollabaugh, Charles F., *Ophthalmic*, 1932.
Doctors' Building, Nashville, Tennessee.
Holmes, Edgar M., *Oto-Laryngological*, 1934.
330 Dartmouth Street, Boston, Mass.
*Hoople, Gordon D., *Oto-Laryngological*, 1926.
The Medical Arts Building, Syracuse, New York.
Houston, G. Gilbert, *Oto-Laryngological*, 1938.
10 West Street, Charlottetown, P. E. I., Canada.
Hubbard, Rufus P., *Ophthalmic*, 1879.
Hurley, Edward D., *Ophthalmic*, 1907. (Deceased.)
Hussey, Edward J., *Ophthalmic*, 1906. (Deceased.)
*Ireland, Percy E., *Oto-Laryngological*, 1935.
170 St. George Street, Toronto, Ontario, Canada.
*Irgens, Edwin R., *Oto-Laryngological*, 1936. Waterville, Maine.
Irvine, S. Rodman, *Ophthalmic*, 1935.
700 Roosevelt Building, Los Angeles, California.
*Irvine, Wendell C., *Ophthalmic*, 1941.
Suite 700, Roosevelt Building, Los Angeles, California.
Jack, Edwin E., *Ophthalmic*, 1888. (Deceased.)
Jackle, Arthur F., *Ophthalmic*, 1913. (Deceased.)
Jennings, John G., *Ophthalmic*, 1917. 82 Commonwealth Avenue, Boston, Mass.
*Johnson, Charles I., *Oto-Laryngological*, 1929.
403 Commonwealth Avenue, Boston, Mass.
*Johnson, Lorand V., *Ophthalmic*, 1937. 2065 Adelbert Road, Cleveland, Ohio.
Jones, Edward Earl, *Oto-Laryngological*, 1928.
141 W. Elm Street, Brockton, Mass.
Judd, Delbert K., *Oto-Laryngological*, 1934.
1020 Medical Arts Building, Omaha, Nebraska.
Kearney, Richard A., *Aural*, 1921. 2311 Connecticut Avenue, Washington, D. C.
*Kelly, Joseph C., *Ophthalmic*, 1942. (Deceased)
Kendall, M. Ray, *Aural*, 1917. (Deceased.)
Kennedy, Michael Francis, *Ophthalmic*, 1927.
1835 I Street, N.W., Washington, D. C.
Kerst, J. Arthur, *Ophthalmic*, 1934.
Leland Office Building, East Capitol Avenue, Springfield, Illinois
Kilburn, Henry W., *Aural*, 1885. (Deceased.)
King, Merrill J., *Ophthalmic*, 1932. 82 Commonwealth Avenue, Boston, Mass.

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* In military service.

*Kos, Clair M., *Oto-Laryngological*, 1941. 2925 Grand Avenue, Des Moines, Iowa
Langworthy, Henry G., *Aural*, 1907. 10th and Bluff Streets, Dubuque, Iowa.
*Lawlor, Edward F., *Oto-Laryngological*, 1941.
33 Tremont Street, Lawrence, Mass.
Leahey, Brendan D., *Ophthalmic*, 1933. 9 Central Street, Lowell, Mass.
LeCompte, Walter A., *Aural*, 1901. (Deceased.)
Lemoine, Albert N., *Ophthalmic*, 1923.
1119 Rialto Building, Kansas City, Missouri.
*Lentine, Joseph, *Oto-Laryngological*, 1936.
395 Commonwealth Avenue, Boston, Mass.
Levitt, Jesse M., *Ophthalmic*, 1933. 734 Ocean Ave., Brooklyn, New York.
Liebman, William, *Ophthalmic*, 1911. 311 Commonwealth Avenue, Boston, Mass.
Lodge, Edmund A., *Oto-Laryngological*, 1924. Mountain Home, Tennessee.
Loring, Robert G., *Ophthalmic*, 1900. 140 Beacon Street, Boston, Mass.
Lothrop, Oliver A., *Aural*, 1911. 101 Beacon Street, Boston, Mass.
Lougee, John L., *Aural*, 1909. 475 Beacon Street, Boston, Mass.
Lovesey, Burton E., *Oto-Laryngological*, 1935.
76 Bay State Road, Boston, Mass.
Lowell, W. Holbrook, *Ophthalmic*, 1902. Deceased.
*Lynch, Mercer G., *Oto-Laryngological*, 1936.
1567 Exposition Boulevard, New Orleans, Louisiana.
MacDonald, Alexander E., *Ophthalmic*, 1923.
151 Bloor Street, West, Toronto, Ontario, Canada.
*Macdonald, Donald H., *Oto-Laryngological*, 1930.
425 Beacon Street, Boston, Mass.
MacKechnie, William G., *Aural*, 1918.
Port of Spain, Trinidad, British West Indies.
Mackenzie, Roland C., *Ophthalmic*, 1911. 51 Moody Street, Waltham, Mass.
MacMillan, A. L., Jr., *Aural*, 1912.
46 Pleasant Street, Concord, New Hampshire.
*Macnie, John P., *Ophthalmic*, 1929.
635 W. 165th Street, New York City, New York.
Mansur, Leon Wallace, *Ophthalmic*, 1898. Retired.
Valley Center, California.
*Martin, S. Forrest, *Ophthalmic*, 1938.
*Mattis, Robert Dean, *Ophthalmic*, 1942.
McAuley, Albert G., *Ophthalmic*, 1915.
1301 Dorchester Street, West, Montreal, Quebec, Canada.
McCabe, Frank J., *Ophthalmic*, 1916.
204 Angell Street, Providence, Rhode Island.
*McCall, Robert E., *Oto-Laryngological*, 1941.
236 South Main Street, Marion, North Carolina.
*McClintock, Walter L., *Oto-Laryngological*, 1938.
1245 Hancock Street, Quincy, Mass.
McCusker, John J., *Ophthalmic*, 1897.
382 Broad Street, Providence, Rhode Island.
McDonald, Samuel J., *Ophthalmic*, 1902.
308 Commonwealth Avenue, Boston, Mass.
*McGuigan, G. Edmund, *Ophthalmic*, 1924.
116 West Market Street, York, Pennsylvania.
McIntire, Frederic J., *Ophthalmic*, 1910. 63 North Common Street, Lynn, Mass.
McKelvey, Alexander D., *Aural*, 1911. (Deceased.)
*McKenzie, Rodney J., *Oto-Laryngological*, 1942.
3515 Burnet Avenue, Cincinnati, Ohio.

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* In military service.

McLaughlin, William C., *Aural*, 1908. (Deceased.)
McLeod, Angus M., *Oto-Laryngological*, 1932.
Medical Arts Building, Toronto, Ontario, Canada.
*McLeod, John, *Ophthalmic*, 1930. 900 Argyle Building, Kansas City, Missouri.
*Meek, Raymond E., *Ophthalmic*, 1926.
729 Park Avenue, New York City, New York.
Meltzer, Philip E., *Aural*, 1919. 20 Charlesgate West, Boston, Mass.
Merritt, Robert E., *Ophthalmic*, 1920. Retired. Valley Center, California.
Mertins, Paul S., *Oto-Laryngological*, 1936.
17 Galen Street, Montgomery, Alabama.
Messenger, Harry K., *Ophthalmic*, 1934.
313 Commonwealth Avenue, Boston, Mass.
Meyer, Monto F., *Ophthalmic*, 1919.
904 Canal Bank Building, New Orleans, Louisiana.
Miles, Nathan E., *Ophthalmic*, 1937. Molton Hotel, Birmingham, Alabama.
*Moore, Donald E., *Ophthalmic*, 1937.
403 Medical Arts Building, Syracuse, New York.
Moore, Fontaine B., *Aural*, 1914.
*Moore, James A., *Oto-Laryngological*, 1940.
66 South Fullerton Avenue, Montclair, New Jersey.
Morse, Almon G., *Ophthalmic*, 1893. (Deceased.)
Moorman, John D., *Ophthalmic*, 1939. Times Building, Huntsville, Alabama.
*Mosher, Henry A., *Ophthalmic*, 1941. 62 Central Avenue, Dayton, Ohio.
Motley, Frederic E., *Oto-Laryngological*, 1925.
Charlotte Eye, Ear, Nose & Throat Hospital, Charlotte, North Carolina.
Mueller, Werner, *Oto-Laryngological*, 1933. 412 Beacon Street, Boston, Mass.
Murphy, Edward M., *Ophthalmic*, 1915. 9 Central Street, Lowell, Mass.
Murphy, William E., *Oto-Laryngological*, 1933. Slater Building, Worcester, Mass.
Myers, Roscoe W., *Ophthalmic*, 1927. 36 Pleasant Street, Worcester, Mass.
*Myers, Stanley A., *Oto-Laryngological*, 1937.
Nicholson, Harry M., *Aural*, 1913.
101 James Street South, Hamilton, Ontario, Canada.
O'Connor, Michael J., *Aural* and *Laryngological*, 1923.
105 Waterman Street, Providence, Rhode Island.
*Ogden, Frederick W., *Oto-Laryngological*, 1942.
Olds, Bomar A., *Oto-Laryngological*, 1929.
Suite No. 307, Medical Arts Building, Atlanta, Georgia.
O'Neil, Robert C., *Oto-Laryngological*, 1928. (Deceased.)
Parker, Harry C., *Ophthalmic*, 1902.
*Pollock, Frederic J., *Oto-Laryngological*, 1935.
Suite 403 Curtis Building, 622 Diversay Parkway, Chicago, Illinois.
Porter, Charles T., *Ophthalmic*, 1914; *Aural*, 1915.
520 Commonwealth Avenue, Boston, Mass.
Powers, George H., *Aural*, 1904. (Deceased.)
Price, F. Raymond, *Ophthalmic*, 1936. 1 Bee Street, Charleston, South Carolina.
Proctor, Francis I., *Ophthalmic*, 1891. (Deceased.)
Provost, Adolphe J., *Oto-Laryngological*, 1927.
36 Lowell Street, Manchester, New Hampshire.
Prudhon, Charles A., *Oto-Laryngological*, 1930.
168 Sterling Street, Watertown, New York.
Quackenboss, Alexander, *Ophthalmic*, 1893. (Deceased.)
Quevedo, A. Arturo, *Ophthalmic*, 1933.
9a Ave. Sur No. 50, Guatemala City, Guatemala, Central America.
Quevedo, Julio, *Oto-Laryngological*, 1941.
9a Ave. Sur No. 50, Guatemala City, Guatemala, Central America.

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* In military service.

Quincy, Josiah E., *Oto-Laryngological*, 1926.
270 Commonwealth Avenue, Boston, Mass.
Raynes, Alphonse F., *Ophthalmic*, 1923.
16 Market Square, Portsmouth, New Hampshire.
Reaves, Robert G., *Aural*, 1918. 425 W. Clinch Avenue, Knoxville, Tennessee.
Rice, Theodore A., *Ophthalmic*, 1942. 390 Main Street, Worcester, Massachusetts.
*Richards, Lyman G., *Oto-Laryngological*, 1924.
319 Longwood Avenue, Boston, Mass.
Richardson, John R., *Oto-Laryngological*, 1935.
395 Commonwealth Avenue, Boston, Mass.
*Ross, Percy Jay, *Oto-Laryngological*, 1934.
1045 Michigan Avenue, Chicago, Illinois.
Rothwell, Stephen G., *Oto-Laryngological*, 1925.
100 Eighth Street, New Bedford, Mass.
Ruggles, Ralph H., *Ophthalmic*, 1920. 394 Marlborough Street, Boston, Mass.
Ruggles, Roger L., *Oto-Laryngological*, 1932. 80 Elm Street, Westfield, Mass.
Rust, Frank L., *Ophthalmic*, 1898. (Deceased.)
Ryder, George H., *Ophthalmic*, 1901. 968 Hancock Street, Quincy, Mass.
Sachs, Benjamin, *Ophthalmic*, 1925. 520 Beacon Street, Boston, Mass.
Sargent, Francis B., *Aural* and *Laryngological*, 1923.
124 Waterman Street, Providence, Rhode Island.
Savage, Ross E., *Ophthalmic*, 1910. Gloucester, Mass.
Scarney, Herman D., *Ophthalmic*, 1928. 573 Fisher Building, Detroit, Michigan.
*Schnebly, J. Thomas, *Ophthalmic*, 1938.
508 Farragut Medical Building, Washington, D. C.
*Seale, Earl S., *Ophthalmic*, 1940. 108 Bay State Road, Boston, Mass.
Shambaugh, George E., Jr., *Oto-Laryngological*, 1932.
122 S. Michigan Boulevard, Chicago, Illinois.
Shanahan, Timothy J., *Aural*, 1907. (Deceased.)
Simmons, Fred A., *Aural*, 1918. (Deceased.)
Sisson, Raymond J., *Ophthalmic*, 1925. (Deceased.)
Skilling, Francis C., *Ophthalmic*, 1933. 401 Ingram Building, Miami, Florida.
*Slaughter, Earl C., *Oto-Laryngological*, 1940.
418 Calumet Bank Building, Hammond, Indiana.
*Smith, Harold D., *Oto-Laryngological*, 1937.
342 Investment Building, Pomona, California.
Smyth, D. Campbell, *Aural*, 1910. (Deceased.)
Smyth, P. Somers, *Ophthalmic*, 1905. (Deceased.)
*Snow, Robert G., *Oto-Laryngological*, 1940.
403 Commonwealth Avenue, Boston, Mass.
Sowers, Martin L., *Aural* and *Laryngological*, 1922.
Crossway Apts., Far Rockaway, New York.
Spalding, Fred M., *Ophthalmic*, 1900. 128 Newbury Street, Boston, Mass.
Spratt, Charles N., *Ophthalmic*, 1904. 785 9th Street, Minneapolis, Minn.
Standish, Myles, *Ophthalmic*, 1880. (Deceased.)
*Stephens, H. Frederick, *Ophthalmic*, 1939.
195 Thayer Street, Providence, Rhode Island.
*Sullivan, Garrett L., *Ophthalmic*, 1938. 5 Bay State Road, Boston, Mass.
Tegelberg, Julius, *Oto-Laryngological*, 1931. 390 Main Street, Worcester, Mass.
Terry, Theodore L., *Ophthalmic*, 1928. 140 Marlborough Street, Boston, Mass.
Thompson, Peter Hunter, *Ophthalmic*, 1902.
308 Commonwealth Avenue, Boston, Mass
Tobey, George L., Jr., *Aural*, 1905. 403 Commonwealth Avenue, Boston, Mass.
Tobey, Harold G., *Aural*, 1915. 403 Commonwealth Avenue, Boston, Mass.

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* In military service.

Toot, J. Frederick, *Ophthalmic*, 1922. East Liverpool, Ohio.
Twitchell, Marshall C., *Ophthalmic*, 1941.
217 South Union Street, Burlington, Vermont.
*Vail, Derrick T., *Ophthalmic*, 1924. 819 Carew Tower, Cincinnati, Ohio.
Vail, Harris H., *Aural*, 1921. (Deceased.)
Viger, Roland J., *Ophthalmic*, 1937.
1414 Drummond Street, Montreal, Quebec, Canada.
Waite, J. Herbert, *Ophthalmic*, 1923. 7 Bay State Road, Boston, Mass.
Wales, Ernest DeW., *Aural*, 1902.
1236 N. Pennsylvania Street, Indianapolis, Indiana.
Walker, Charles E., Jr., *Ophthalmic*, 1935.
1114 Republic Building, Denver, Colorado.
Walker, Clifford B., *Aural*, 1914. Auditorium Building, Los Angeles, California.
Walker, D. Harold, *Aural*, 1902. 5 Bay State Road, Boston, Mass.
*Wattles, F. Merrill, *Oto-Laryngological*, 1938.
312 Greenleaf Building, Jacksonville, Florida.
Webster, Franklin R., *Ophthalmic*, 1926.
810 State Tower Building, Syracuse, New York.
Weille, Francis L., *Oto-Laryngological*, 1929.
395 Commonwealth Avenue, Boston. Mass.
Weinheimer, Lambert H., *Ophthalmic*, 1922.
109 So. Warren Street, Syracuse, New York.
Wherry, Walter J., *Oto-Laryngological*, 1939. (Deceased.)
White, Leon E., *Aural*, 1897. (Deceased.)
White, Leon E., *Aural* and *Laryngological*, 1923.
390 Commonwealth Avenue, Boston, Mass.
Whitney, Raymond C., *Ophthalmic*, 1922.
227 Union Street, New Bedford, Mass.
Willis, Harry C., *Aural* and *Laryngological*, 1923.
216 E. Nash Street, Wilson, North Carolina.
Winkler, Herman A., *Oto-Laryngological*, 1926.
224 Thayer Street, Providence Rhode Island.
Wishart, David E. S., *Aural* and *Laryngological*, 1922.
47 Grosvenor Street, Toronto, Ontario, Canada.
Woodruff, Harry W., *Ophthalmic*, 1936. (Deceased.)
Worthen, Clarence F., *Ophthalmic*, 1917.
319 Commonwealth Avenue, Boston, Mass.
Wright, Clarence F., *Oto-Laryngological*, 1931.
86 Bloor Street, West, Toronto, Ontario, Canada.
Wright, Edward N., *Oto-Laryngological*, 1933.
54 Brant Avenue, Brantford, Ontario, Canada.

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* In military service.

## Form of a Bequest to the Infirmary

*I give and bequeath to the Massachusetts Eye and Ear Infirmary of Boston, the sum of*
*dollars, to be applied to the uses of said Infirmary.*

ONE HUNDRED AND EIGHTEENTH

# ANNUAL REPORT

OF THE

# *Massachusetts Eye and Ear Infirmary*

INCORPORATED IN 1827

FOR THE YEAR

1943

OFFICERS AND STAFF

1944

BOSTON · MASSACHUSETTS

# MASSACHUSETTS EYE AND EAR INFIRMARY

243 Charles Street, Corner Fruit Street, Boston, Mass.

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The Massachusetts Eye and Ear Infirmary is a charitable Institution supported solely by receipts from patients and voluntary contributions. Only those unable to pay Doctors' fees will be admitted to the Wards or Out-Patient Department.

## OUT-PATIENT DEPARTMENT

The Out-Patient Department is open daily excepting Sundays and legal holidays, from 8 to 10 A.M. for examination and treatment of all persons afflicted with disease of the eye, ear, nose or throat, who are unable to pay a physician. Patients should, whenever possible, bring a letter from their physician recommending admission. In emergencies or unusual situations, the patient may be admitted, the doctor notified and information requested from him as to the medical and social aspects of the case. A patient may also be admitted by giving satisfactory evidence that he is not and has not been under treatment by a physician, and that he cannot afford to pay for examination and treatment by a private physician.

Admission fee: Adults, seventy-five cents first visit, other visits sixty cents; children under sixteen years of age fifty cents first visit, other visits thirty cents.

## HOSPITAL WARD SERVICE

Patients should whenever possible, bring a letter from their doctor recommending admission. If their medical condition after examination by the house officer on duty is found to be suitable, they will be admitted. Persons recommended for admission should come to the Admitting Office, 243 Charles Street, between 9 A.M. and 1 P.M. on week days, excepting legal holidays.

Accident and emergency cases admitted at any time.

Patients admitted to the wards as in-patients will be charged for board at the rate of twenty-eight dollars per week, payable in advance, unless some special arrangement is made by the Director. No reduction in rate of board made to those residing outside the Commonwealth of Massachusetts.

## PRIVATE PATIENTS

The Infirmary also provides facilities for the care of private patients of members of the hospital staff. The rates for single rooms range from $7.50 to $9 a day and accommodations in rooms with five or six beds are $4.50 a day. Patients are expected to arrange with their physician regarding professional fees.

Massachusetts Eye and Ear Infirmary

ONE HUNDRED AND EIGHTEENTH

# ANNUAL REPORT

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1943

OFFICERS AND STAFF

1944

BOSTON · MASSACHUSETTS

# Table of Contents

PAGE

OFFICERS . . . . . . . . . . 3

BOARD OF MANAGERS AND STAFF . . . . . . . . . . 3

HISTORY . . . . . . . . . . 12

PRESIDENT'S REPORT . . . . . . . . . . 15

TREASURER'S REPORT . . . . . . . . . . 17

LADIES VISITING COMMITTEE . . . . . . . . . . 34

DIRECTOR'S REPORT . . . . . . . . . . 36

DEPARTMENT OF OPHTHALMOLOGY . . . . . . . . . . 49

REFRACTION ROOM . . . . . . . . . . 51

DEPARTMENT OF OTO-LARYNGOLOGY . . . . . . . . . . 54

PATHOLOGICAL LABORATORY . . . . . . . . . . 58

X-RAY DEPARTMENT . . . . . . . . . . 60

NURSING DEPARTMENT . . . . . . . . . . 61

DIETARY DEPARTMENT . . . . . . . . . . 64

MEDICAL SOCIAL SERVICE . . . . . . . . . . 65

OCCUPATIONAL THERAPY . . . . . . . . . . 71

HOWE LABORATORY . . . . . . . . . . 74

HOWE LIBRARY . . . . . . . . . . 77

SCIENTIFIC PAPERS . . . . . . . . . . 78

TABLE OF DISEASES . . . . . . . . . . 82

GRADUATE HOUSE OFFICERS . . . . . . . . . . 85

# Officers, 1944

## BOARD OF MANAGERS, 1943–1944

| | |
|---|---|
| 1893–95<br>1907– | Charles P. Curtis, 71 Ames Building |
| 1903 | Russell G. Fessenden, 1 Federal Street |
| 1914 | James C. Howe, 1005 Exchange Building |
| 1925 | Leverett Saltonstall, 82 Devonshire Street |
| 1929 | Walter H. Trumbull, Weston, Mass. |
| †1934 | Patrick A. O'Connell, 154 Tremont Street |
| 1934 | Frank G. Allen, 248 Summer Street |
| 1934 | Robert F. Bradford, 49 Federal Street |
| 1935 | William A. Parker, 1 Court Street |
| 1937 | Henry Hixon Meyer, 820 Exchange Building |
| 1940 | Mrs. Richard Cary Curtis, 215 Warren Street, Brookline, Mass. |
| 1940 | Horace W. Frost, 74 State Street |
| †1942 | Dr. D. Harold Walker, 5 Bay State Road |
| 1943 | Frederic Winthrop, Ipswich, Mass. |

*President*

Russell G. Fessenden

*Secretary*

James C. Howe

*Treasurer*

Horace W. Frost

*Executive Committee*

Russell G. Fessenden
Robert F. Bradford
Henry H. Meyer
James C. Howe

*Finance Committee*

Russell G. Fessenden
Horace W. Frost
William A. Parker

*Advisory Committee*

Social Service Department

Charles T. Porter, M.D.
Paul A. Chandler, M.D.
Horace W. Frost
William A. Parker
Mrs. Noel Morss
Mrs. Leslie Soule

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† Appointed by the Commonwealth.

## VISITING COMMITTEE

| | | | |
|---|---|---|---|
| January | Mrs. R. C. Curtis | July | Mr. Trumbull |
| | Mr. Allen | | Mr. Fessenden |
| February | Mr. Allen | August | Mr. Fessenden |
| | Mr. Meyer | | Mr. Howe |
| March | Mr. Meyer | September | Mr. Howe |
| | Mr. Frost | | Mr. Bradford |
| April | Mr. Frost | October | Mr. Bradford |
| | Mr. C. P. Curtis | | Mr. Winthrop |
| May | Mr. C. P. Curtis | November | Mr. Winthrop |
| | Mr. Saltonstall | | Mr. Parker |
| June | Mr. Saltonstall | December | Mr. Parker |
| | Mr. Trumbull | | Mrs. R. C. Curtis |

## LADIES' VISITING COMMITTEE

Mrs. Sullivan A. Sargent, Jr., *Chairman*
Mrs. Harold Peabody, *Vice-Chairman*
Mrs. John E. Thayer, Jr., *Secretary*
Mrs. Richard Cary Curtis, *Treasurer*

Mrs. Arlie V. Bock
Mrs. John E. Boit
Mrs. John Bryant
Mrs. Harry P. Cahill
Mrs. Nathaniel D. Clapp
Mrs. Livingston Davis
Mrs. Weld Douglass
Mrs. Edwin B. Dunphy
Mrs. Henry Erhard
Mrs. Reginald Foster
Mrs. Trygve Gundersen
Mrs. George F. Hall
Mrs. Samuel E. Hall, Jr.
Mrs. Harold L. Higgins
Mrs. Francis T. Hunter
Mrs. Charles I. Johnson
Mrs. Varaztad H. Kazanjian
Mrs. Charles E. Mason
Mrs. William W. McCarthy
Mrs. Noel Morss
Mrs. Harris P. Mosher
Mrs. Eugene Record
Mrs. Franklin A. Reece
Mrs. John R. Richardson
Mrs. Arthur L. Richmond
Mrs. Edward J. L. Ropes
Mrs. LeRoy A. Schall
Mrs. Reginald H. Smithwick
Mrs. William B. Snow, Jr.
Mrs. Leslie Soule
Mrs. Channing Swan
Mrs. Thomas C. Thacher, Jr.
Mrs. Charles E. Thayer
Mrs. Robert Truesdale
Mrs. Frederick H. Verhoeff
Mrs. John I. Wylde

## EXECUTIVE OFFICERS

*Director*
Nathaniel W. Faxon, M.D.

*Assistant to the Director*
Annie M. Robertson, R.N.

*Executive Assistants*
Ruth M. Hutchinson, R.N.
Walborg L. Peterson, R.N.
Henrietta Olsen, R.N.

*Superintendent of Nurses*
Sally Johnson, R.N.

*Assistant Superintendent of Nurses*
Dorothy M. Tarbox, R.N.

*Social Service Director*
Eunice W. Wilson

*Dietitian*
Marion Ashman

*Housekeeper*
Kitrena Akins

*Occupational Therapy Director*
Anne M. Olsen, O.T.R.

## STAFF
## DEPARTMENT OF OPHTHALMOLOGY

*Consulting Surgeons in Ophthalmology*

Walter B. Lancaster, M.D.
Peter H. Thompson, M.D.
Samuel J. McDonald, M.D.
Hugo B. C. Riemer, M.D.
Edward K. Ellis, M.D.
J. Herbert Waite, M.D.
Edmund W. Clap, M.D.
Henry Hawkins, M.D.
Samuel H. Wilkins, M.D.
**Ralph A. Hatch, M.D.

*Consulting Chief of Ophthalmology*
Frederick H. Verhoeff, M.D.

*Chief of Ophthalmology*
*Edwin B. Dunphy, M.D.

*Chief of Ophthalmology, Acting*
Paul A. Chandler, M.D.

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* On leave of absence because of military service.
** Died April 1, 1944.

### *Surgeons in Ophthalmology*

Edwin B. Goodall, M.D.
Benjamin Sachs, M.D.
Paul A. Chandler, M.D.
Theodore L. Terry, M.D.
William P. Beetham, M.D.
*Virgil G. Casten, M.D.

### *Associate Surgeons in Ophthalmology*

John G. Jennings, M.D.
Ralph H. Ruggles, M.D.
Fred S. Thorne, M.D.
*Trygve Gundersen, M.D.

### *Assistant Surgeons in Ophthalmology*

David G. Cogan, M.D.
Edward E. Covitz, M.D.
Hugh C. Donahue, M.D.
Mahlon T. Easton, M.D.
Herman P. Grossman, M.D.
Paul G. Haire, M.D.
Merrill J. King, M.D.
Brendan D. Leahey, M.D.
Harry K. Messenger, PH.D., M.D.
Albert E. Sloane, M.D.

### *Senior Clinical Assistants in Ophthalmology*

Franklyn D. Burger, M.D.
*Thomas Cavanaugh, M.D.
Julian F. Chisholm, Jr., M.D.
Linley C. Happ, M.D.
Carl C. Johnson, M.D.
*Sumner D. Liebman, M.D.
*S. Forrest Martin, M.D.
Paul M. Runge, M.D.
*Earl S. Seale, M.D.
*Linus A. Sheehan, M.D.
*H. Frederick Stephens, M.D.
*Garrett L. Sullivan, M.D.

### *Clinical Assistants in Ophthalmology*

Clarence H. Birdsall, M.D.
Thomas F. Capeles, M.D.
A. William Collinson, M.D.
*Lawrence R. Dame, M.D.
Lloyd J. Duest, M.D.
Honoré E. Gaudreau, M.D.
*Arthur M. Morrissey, M.D.
Bertha Offenbach, M.D.
Raymond C. Whitney, M.D.

## DEPARTMENT OF OTO-LARYNGOLOGY

### *Consulting Surgeons in Otology and Laryngology*

Frederick L. Jack, M.D.
Joseph L. Goodale, M.D.
George L. Tobey, Jr., M.D.
D. Harold Walker, M.D.
*Calvin B. Faunce, M.D.
Frederick E. Garland, M.D.
Frederick L. Bogan, M.D.
Harris P. Mosher, M.D.
Harry A. Barnes, M.D.
William I. Wiggin, M.D.
Charles D. Knowlton, M.D.

### *Chief of Otology and Laryngology*

LeRoy A. Schall, M.D.

### *Surgeons in Oto-Laryngology*

George H. Poirier, M.D.
Harold G. Tobey, M.D.
Charles T. Porter, M.D.
Philip E. Meltzer, M.D.
Leon E. White, M.D.
Moses H. Lurie, M.D.

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* On leave of absence because of military service.

*Surgeons for Tumor Clinic*

| | |
|---|---|
| Edwards W. Herman, M.D. | Carl H. Ernlund, M.D. |

*Surgeon for Plastic Operations*

Varaztad H. Kazanjian, M.D., D.M.D.

*Surgeon for Bronchoscopy and Esophagoscopy*

*Lyman G. Richards, M.D.

*Associate Surgeons in Oto-Laryngology*

| | |
|---|---|
| Gustave B. Fred, M.D. | Francis L. Weille, M.D. |
| Robert L. Goodale, M.D. | Philip Mysel, M.D. |
| Maurice G. Evans, M.D. | *Charles I. Johnson, M.D. |

*Assistant Surgeons in Oto-Laryngology*

| | |
|---|---|
| *Charles H. Allman, M.D. | Vincent J. Kelley, M.D. |
| Walter J. E. Carroll, M.D. | Burton E. Lovesey, M.D. |
| *John R. Frazee, M.D. | Werner Mueller, M.D. |
| Elmer H. Gillespie, M.D. | Josiah E. Quincy, M.D. |
| Edgar M. Holmes, M.D. | John R. Richardson, M.D. |

*Clinical Assistants in Oto-Laryngology*

| | |
|---|---|
| John D. Adams, M.D. | *Joseph Lentine, M.D. |
| Frank W. Brady, M.D. | Donald K. Lewis, M.D. |
| *David P. Cordray, M.D. | *Donald H. Macdonald, M.D. |
| Elizabeth DeBlois, M.D. | *Walter L. McClintock, M.D. |
| *Joshua C. Drooker, M.D. | Daniel Miller, M.D. |
| *Frank Gavolio, M.D. | Alphonse L. Senecal, M.D. |
| Kenneth Kazanjian, M.D. | Frank R. Schlossberg, M.D. |
| George Kelemen, M.D. | *Robert G. Snow, M.D. |

*Herman J. Sternstein, M.D.

*Research Fellow in Otology*

Ruth P. Guilder, M.D.

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*Clinical Assistant for Bronchoscopy and Esophagoscopy*

Edward B. Benedict, M.D.

*Consulting Pathologist*

*Tracy B. Mallory, M.D.

*Pathologist*

Theodore L. Terry, M.D.

| *Roentgenologist* | *Anesthetist* |
|---|---|
| A. S. Macmillan, M.D. | *Henry K. Beecher, M.D. |

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* On leave of absence because of military service.

## HOWE LABORATORY OF OPHTHALMOLOGY

*Director*

David G. Cogan, M.D.

Merrill J. King, M.D.
*Trygve Gundersen, M.D.
Elek J. Ludvigh, PH.D.
V. Everett Kinsey, PH.D
W. Morton Grant, M.D.
S. Forrest Martin, Lieut. Commander M.C., U.S.N.R.

## CONSULTANTS

*Consulting Physicians*

James H. Means, M.D.
*F. Dennette Adams, M.D.
Fuller Albright, M.D.
Joseph C. Aub., M.D.
*Walter Bauer, M.D.
Arlie V. Bock, M.D.
William B. Breed, M.D.
*Francis R. Dieuaide, M.D.
Chester M. Jones, M.D.
Francis M. Rackemann, M.D.
Wyman Richardson, M.D.
Paul D. White, M.D.
William A. Bishop, M.D.
Roger P. Dawson, M.D.
Maurice Fremont-Smith, M.D.
*Francis T. Hunter, M.D.
*Donald S. King, M.D.
Dwight L. Siscoe, M.D.
*Howard B. Sprague, M.D.
*James H. Townsend, M.D.
Marian W. Ropes, M.D.
*Myles P. Baker, M.D.
William W. Beckman, M.D.
*Edward F. Bland, M.D.
*Allen G. Brailey, M.D.
Austin M. Brues, M.D.
*Walter S. Burrage, M.D.
John W. Cass, Jr., M.D.
Earle M. Chapman, M.D.
*Milton H. Clifford, M.D.
*John H. Fay, M.D.
Greene FitzHugh, M.D.
Reed Harwood, M.D.
William R. Hill, Jr., M.D.
Howard B. Jackson, M.D.
*Bernard M. Jacobson, M.D.
T. Duckett Jones, M.D.
Richard B. King, M.D.
*Alfred Kranes, M.D.
Jacob Lerman, M.D.
*Alfred O. Ludwig, M.D.
*John P. Monks, M.D.
*Robert S. Palmer, M.D.
Willard S. Parker, M.D.
Helen S. Pittman, M.D.
Milton J. Quinn, M.D.
*Charles L. Short, M.D.
*George P. Sturgis, M.D.
*John H. Talbott, M.D.
*Edward G. Thorp, M.D.
*Thomas V. Urmy, M.D.
Roy R. Wheeler, M.D.

*Consulting Dermatologists*

C. Guy Lane, M.D.
Jacob H. Swartz, M.D.
Austin W. Cheever, M.D.
Ethel M. Rockwood, M.D.
*Myer M. Tolman, M.D.
John Adams, Jr., M.D.
G. Marshall Crawford, M.D.
Mildred Ryan, M.D.

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* On leave of absence because of military service.

## *Consulting Neurologists*

James B. Ayer, M.D.
George Clymer, M.D.
Henry R. Viets, M.D.
Charles A. McDonald, M.D.
G. Colket Caner, M.D.
Charles S. Kubik, M.D.
Madelaine R. Brown, M.D.
Edwin M. Cole, M.D.
Augustus S. Rose, M.D.
*Robert S. Schwab, M.D.

## *Consulting Psychiatrists*

Stanley Cobb, M.D.
Jacob E. Finesinger, M.D.
Kenneth J. Tillotson, M.D.
Helene Deutsch, M.D.
Erich Lindemann, M.D.
Charles S. Kubik, M.D.
*R. Barry Bigelow, M.D.
Mandel E. Cohen, M.D.
Marianna Taylor, M.D.

## *Consulting Pediatricians*

Allan M. Butler, M.D.
Richard S. Eustis, M.D.
Joseph Garland, M.D.
Edward S. O'Keefe, M.D.
Arthur Bates Lyon, M.D.
Eli C. Romberg, M.D.
Solomon H. Rubin, M.D.
Warren R. Sisson, M.D.
Richard C. Tefft, Jr., M.D.
Oliver E. Bixby, M.D.
*Leo B. Burgin, M.D.
Ralph W. Daffinee, M.D.
Ralph A. Ross, M.D.
Nathan B. Talbot, M.D.
William J. Turtle, M.D.

## *Consulting Surgeons*

Arthur W. Allen, M.D.
*Edward D. Churchill, M.D.
Leland S. McKittrick, M.D.
Ernest M. Daland, M.D.
Henry C. Marble, M.D.
*A. William Reggio, M.D.
Horace K. Sowles, M.D.
Edward L. Young, M.D.
Edward B. Benedict, M.D.
Oliver Cope, M.D.
*Henry H. Faxon, M.D.
E. Parker Hayden, M.D.
Robert R. Linton, M.D.
*Langdon Parsons, M.D.
*Horatio Rogers, M.D.
Reginald H. Smithwick, M.D.
Richard H. Sweet, M.D.
*Grantley W. Taylor, M.D.
Richard H. Wallace, M.D.
*Franklin G. Balch, Jr., M.D.
*Marshall K. Bartlett, M.D.
*Bradford Cannon, M.D.
*Ward I. Gregg, M.D.
Edward Hamlin, Jr., M.D.
*Champ Lyons, M.D.
*Somers H. Sturgis, M.D.
*Richard Warren, M.D.
*Claude E. Welch, M.D.

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*On leave of absence because of military service.

### *Consulting Neurosurgeons*

*James C. White, M.D.
Jost Michelsen, M.D.

### *Consulting Orthopedists*

Marius N. Smith-Petersen, M.D.
Armin Klein, M.D.
William A. Rogers, M.D.
George W. Van Gorder, M.D.
*Joseph S. Barr, M.D.
*Edwin F. Cave, M.D.
Paul L. Norton, M.D.

### *Consulting Urologists*

George Gilbert Smith, M.D.
Fletcher H. Colby, M.D.
*Richard Chute, M.D.
*Sylvester B. Kelley, M.D.
*Wyland F. Leadbetter, Jr., M.D.
*Fiorinde A. Simeone, M.D.
*Howard I. Suby, M.D.

### *Consulting Pathologists*

*Tracy B. Mallory, M.D.
*Francis T. Hunter, M.D.
Wyman Richardson, M.D.
Benjamin Castleman, M.D.
Ronald C. Sniffen, M.D.
Charles S. Kubik, M.D.
Fathollah K. Mostofi, M.D.

### *Consulting Bacteriologist*

Louis Dienes, M.D.

### *Consulting Radiologists*

George W. Holmes, M.D.
*Aubrey O. Hampton, M.D.
William E. Davis, M.D.
*James R. Lingley, M.D.
Laurence L. Robbins, M.D.
*Richard Schatzki, M.D.
Milford D. Schulz, M.D.
Clayton H. Hale, M.D.
*George M. Wyatt, M.D.

### *Consultant in Contagious Diseases*

Edwin H. Place, M.D.

### *Consultant in Preventive Medicine*

John E. Gordon, M.D.

### *Consultant in Pharmacology*

Otto Krayer, M.D.

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* On leave of absence because of military service.

# HOUSE STAFF

*Residents in Ophthalmology*

Carlos H. Candray, M.D.
William F. Donoghue, M.D.
Abraham Pollen, M.D.
Calvin B. Chamberlain, M.D.
James R. Cogan, M.D.
Harry E. Braconier, M.D.
Edward E. Moore, M.D.

*Chief Resident in Oto-Laryngology*

Donald K. Lewis, M.D.

*Residents in Oto-Laryngology*

Calvin M. Cerrato, M.D.
Herman J. Weisman, M.D.
Aram Roopenian, M.D.
Daniel J. Reagan, M.D.
Daniel E. Black, M.D.
John H. Thomas, M.D.
Richard T. Barton, M.D.

# Brief History of the Massachusetts Eye and Ear Infirmary

The Massachusetts Eye and Ear Infirmary had its inception in the latter part of 1824 when Dr. Edward Reynolds and Dr. John Jeffries established a free clinic for the treatment of the eye in a small room in the Scollay Building situated in what is now the center of Scollay Square. It is the second oldest institution of its kind in the United States, the New York Eye and Ear Infirmary having been founded in 1820.

In the first sixteen months nearly 900 patients were treated, and so successful was the undertaking that in March, 1826, with the aid of friends, a public subscription was started and the Boston Eye Infirmary was formed. In 1827 it was formally incorporated as the Massachusetts Charitable Eye and Ear Infirmary (changed to the Massachusetts Eye and Ear Infirmary in 1924) and shortly moved to larger quarters at the corner of Court and Tremont Streets. The Infirmary was open from 12 to 1 o'clock for gratuitous treatment of the eye and ear. In 1827 there were reported 583 cases of eye diseases and 98 of ear diseases. The receipts were $473.62 and the expenses $333.62.

By 1836 the Infirmary was so well known that one-third of the patients came from outside of Boston and 153 towns and cities were represented. Owing to the increase in the number of patients, the Infirmary was removed in 1836 to the Salisbury Building on Summer Street, and three years later the Gore mansion on Green Street near Bowdoin Square was purchased. To enable the Infirmary to do this, the Commonwealth gave $5,000 and an additional grant of $2,000 a year, for five years. Here for the first time ward patients could be accommodated to the number of twenty. Previously they had been placed in boarding houses in the neighborhood. Facilities were provided for a school of observation, as it was called, for medical students and Dr. Jeffries gave a course of lectures at the Infirmary which was followed by lectures for six successive years by Dr. Reynolds at the Tremont Medical School. Daily clinics for students were held.

By 1849 the Gore mansion had become too small to take care of the increasing number of patients, in that year 2,000. With the aid of a generous grant from the Commonwealth and funds raised by subscriptions, property on Charles Street near Cambridge Street was purchased and a new Infirmary built and dedicated in 1850. Later a wing was added. In 1871 the Ear Department was organized and by 1876 the patients in that department numbered 2,250.

The first Charles Street building, which had housed the Infirmary for over fifty years, proved inadequate, and the Out-Patient Department was much over-crowded, with an average weekly attendance of 1,200. With the aid of a grant from the Commonwealth of $100,000, the present site was purchased and the building was completed in March, 1899. Since the last Constitutional Convention the Infirmary cannot by law receive any grant from the Commonwealth. Social Service was instituted in 1907. The Gardner Building for the treatment of contagious diseases of the eye was added shortly and in 1909 a separate building was built for the Pathological Laboratory. In the same year a Nurses' Home was built on the site of the old Infirmary, to house 94 people, and later the space formerly occupied by nurses in the Infirmary was changed into a private ward. A school for graduate and affiliated nurses which gives special training in the care of diseases of the eye, ear, nose and throat is maintained.

In the year 1922 the Laryngological Department of the Massachusetts General Hospital was granted the use of beds in the Infirmary and became a department of that institution as far as its house work was concerned.

In 1925 the surgeons of the Aural and Laryngological departments appear in one group as Oto-Laryngologists.

January 1st, 1928, the Laryngological Out-Patient Department of the Massachusetts General Hospital was taken over by the Infirmary and the relations of the Aural Department with the Laryngological Department became very close. At the same time the Out-Patient Department, though still operated by the Infirmary, was joined with that of the Massachusetts General Hospital in the new building built by the latter.

Part of the space formerly occupied by the Out-Patient Department was taken for the Howe Laboratory of Ophthalmology. This was made possible through the generosity of the late Dr. Lucien Howe, who gave $250,000 towards a fund of $500,000 given to Harvard College, the income to be used for Research work. The balance of the space was given over to the Research Laboratory of the Ear, Nose and Throat Department, the X-Ray Department and the Lucien Howe Library of Ophthalmology.

Last year the Infirmary took care of 4,299 people in the public wards, 1,811 in the private ward and there were 72,370 visits to the Out-Patient Department. The active staff numbers 86, of which 25 are in military service and there are 229 paid employees.

# Report of the President

On behalf of the Board of Managers of the Massachusetts Eye and Ear Infirmary, I beg to present the One Hundred and Eighteenth Annual Report, being for the year 1943. The handicaps imposed by the war have made the operation of the Infirmary difficult. Not only is about one-third of the Staff in Service, but it is impossible to maintain an adequate nursing staff. All departments are undermanned and in many cases further handicapped by a constantly changing personnel. In round figures, we have about two-thirds the nursing staff we had prior to 1942, a little over half of the orderlies, and about two-thirds of the attendants. We have been helped in a small degree by the fact that there were fewer patient days in the Public Wards and fewer visits to the Out-Patient Department than in 1942. Added to this is the difficulty of getting certain needed supplies.

In spite of these handicaps all the activities have been carried on as usual, due largely to the devoted loyalty of the Staff and Employees. The Infirmary is deeply grateful to the members of the Consulting Staff who have given valuable assistance in the Out-Patient Department, and to the Red Cross Voluntary Nurses' Aides, Red Cross Gray Ladies, members of the Ladies' Visiting Committee, and other volunteers who have been of the greatest assistance. In addition to this work, the members of the Ladies' Visiting Committee have as usual done much which conduces greatly to the comfort of the patients.

The work of the Howe Laboratory has been chiefly concerned with investigations for the Armed Forces, and in this connection I wish to call your attention to the letter from Rear Admiral W. H. P. Blandy at the end of Dr. Cogan's report on the Howe Laboratory. It is impossible to understand all the various activities of the Infirmary without a careful reading of the reports of the various departments which follow.

We have had a difficult situation with Resident House Officers. Before the war their term was two years. The War Department does not allow them to remain longer than nine months. It is impossible to train them in this time, they were of little service to the Infirmary and it was difficult to keep a full staff. The Managers decided in November to restore the term of residency to two years and to appoint women and men not eligible for military service, and we are now in a transition period.

In the Public Wards the daily average of patients was about the same as it was last year, but the average receipt per patient was somewhat larger owing to greater employment and higher wages. There were slightly more patient days in the Private Ward than last year. Visits to the Out-Patient Department decreased by about 15%. This is probably due to more persons being able to afford a visit to a doctor and also to the fact that so many people are in the Service. About 20% were free patients in the combined Out-Patient Department of The Massachusetts General Hospital and the Massachusetts Eye and Ear Infirmary.

Due to the decrease in receipts of the Out-Patient Department and the increased salaries and wages, in spite of an allotment of $20,000 from the Greater Boston United War Fund the Infirmary incurred a deficit of about $15,000. This is a very large deficit for the Infirmary and when deferred maintenance and lack of supplies are considered, the situation is very serious. After the war with a full Staff and all the employees needed, we wonder what the situation will be. Meanwhile there are many improvements of major importance which are being deferred.

During the year Mr. Edmund V. Keville resigned as Manager as he had entered the Service. We are very glad that the vacancy was filled by Major Frederic Winthrop who for several years has taken a great interest in certain activities of the Infirmary. The Infirmary lost by death two members of the Consulting Staff, Dr. Elwood T. Easton, who had been connected with the Infirmary since 1900, and Dr. W. Holbrook Lowell, since 1902.

Only with the devoted service of the Staff and Employees has the Infirmary been able to carry on during this difficult year, and for this the Managers are deeply grateful.

R. G. Fessenden
*President*

# Report of the Treasurer

## BALANCE SHEET

December 31, 1943

### ASSETS

| | | |
|---|---|---|
| Land and buildings—book value | | $ 491,741.99 |
| Investments—book value: | | |
| Securities | $2,030,541.05 | |
| Interest in two parcels of real estate | 2.00 | 2,030,543.05 |
| Cash on hand: | | |
| Capital Account | 65,653.73 | |
| Income Account | 4,499.39 | 70,153.12 |
| Accounts Receivable from patients (less reserve) | 7,191.92 | |
| Accounts Receivable—miscellaneous | 5,760.61 | 12,952.53 |
| Inventories of supplies | | 18,749.92 |
| TOTAL ASSETS | | $2,624,140.61 |

### FUNDS AND LIABILITIES

| | |
|---|---|
| General Funds | $1,437,668.03 |
| Permanent Funds—Income Restricted | 254,477.36 |
| Permanent Funds—Income Unrestricted | 912,138.69 |
| Special Purpose Funds | 14,489.04 |
| Unexpended Restricted Income | 4,499.39 |
| Advances from patients | 868.10 |
| TOTAL FUNDS AND LIABILITIES | $2,624,140.61 |

## INCOME ACCOUNT

*For the year ended December 31, 1943*

| | | |
|---|---|---|
| Hospital Income | | $369,474.39 |
| Hospital Expenses | $504,298.75 | |
| Treasurer's Expenses | 4,571.48 | 508,870.23 |
| Excess of Expenses over Hospital Income | | $139,395.84 |
| Income from Investment Securities, less income applicable to Restricted Funds not expended | $ 81,342.32 | |
| Transfer from Special Purpose Funds | 17,437.81 | |
| Receipts from Community Federation of Boston, Committee of the Permanent Charity Fund, Inc., Estates of Charles G. Green, Elisha V. Ashton, G. Gorham Peters and Albert N. Blodgett, and contributions for general purposes (excluding contributions for special purposes) | 25,597.22 | 124,377.35 |
| Excess of Expenditures over Income on Income Account | | $ 15,018.49 |

Horace W. Frost
*Treasurer*

Patterson, Teele and Dennis
*Auditors*

## INVESTMENT SECURITIES

*December 31, 1943*

### U. S. Government

| BONDS | |
|---|---|
| $50,000 | U. S. Treasury Note Ser. "B" taxable 1½%, December 15, 1946 |
| 25,000 | U. S. Treasury Bond taxable 2% September 15, 1951 |
| 50,000 | U. S. Savings Bond Ser. "G" Reg. Taxable 2½%, June 1, 1953 |
| 25,000 | U. S. Savings Bond Ser. "G" Reg. Taxable 2½%, June 1, 1954 |
| 35,000 | U. S. Treasury Bond 2¾%, June 15, 1954 |
| 26,000 | U. S. Treasury Bond Taxable 2½%, March 15, 1954 |
| 25,000 | U. S. Savings Bond Ser. "G" Reg. Taxable 2½%, February 1, 1955 |
| 32,000 | U. S. Treasury Bond Taxable 2¼%, June 15, 1955 |
| 30,000 | U. S. Treasury Bond Taxable 2½%, March 15, 1958 |
| 36,000 | U. S. Treasury Bond 2¾%, June 15, 1963 |
| 27,500 | U. S. Treasury Bond Taxable 2½%, September 15, 1972 |

### Canadian Government

| | |
|---|---|
| 20,000 | Canada, Dominion of 3¼%, January 15, 1961 |
| 25,000 | Canada, Dominion of 3%, November 15, 1968 |
| 5,000 | Canada, Dominion of 3%, January 15, 1958 |

### Rails

| | |
|---|---|
| 20,000 | Albany & Susquehanna Railroad Reg. 3½s 1946 |
| 20,000 | Atchison Topeka & Santa Fe Railway Co. General 4s 1995 |
| 5,000 | Boston & Maine Railroad 1st RR 4s, 1960 |
| 12,500 | Boston & Maine Railroad Income "A" 4½s 1970 |
| 25,000 | Canadian Pacific Railway Equipment Trust 5s 1944 |
| 10,000 | Chesapeake & Ohio Railway Company General 4½s 1992 |
| 10,000 | Erie Railroad Co. 1st Consolidated "B" 4s 1995 |
| 10,000 | Great Northern Railway Company General 3¾s 1967 |
| 15,000 | Jacksonville Terminal Company Ref & Ext "A" 5s 1967 |
| 15,000 | Lake Shore & Michigan Southern Ry Co. Registered 3½s 1997 |
| 7,000 | Louisville & Jeffersonville Bridge Company 4s 1945 |
| 15,000 | Maine Central Railroad Co. 1st 4s 1945 |
| 10,000 | Michigan Central Railroad Company 1st 3½s 1952 |
| 20,000 | Missouri Pacific Railroad Company 1st & Refunding C/D 5s 1977 |
| 15,000 | Northern Pacific Railroad Co. Gen. Lien & Land Grant 3s 2047 |
| 15,000 | Pennsylvania Railroad 4¼s 1981 |
| 10,000 | Southern Pacific Railroad Company 1st Ref. 4s 1955 |
| 20,000 | Southern Pacific Company 4½s 1969 |

### Utilities

| | |
|---|---|
| 10,000 | American Telephone & Telegraph Company 3¼s 1966 |
| 15,000 | Bell Telephone Co. of Canada 5s 1960 |
| 10,000 | Butte Electric & Power Company 1st 5s 1951 |
| 10,000 | Central New York Power Corporation General 3¾s 1962 |
| 10,000 | Chicago City Railway Company C/D 1st 5s 1927 |
| 10,000 | Cincinnati Gas & Electric Company 1st 3½s 1967 |
| 15,000 | Eastern Massachusetts Street Railway Co. Ref "A" 4½s 1948 |
| 4,000 | Federal Water Service Corporation Conv 5½s 1954 |
| 20,000 | Florida Power & Light Company 1st 5s 1954 |
| 10,000 | Hudson & Manhattan Railroad Company 5s 1957 |
| 20,000 | Illinois Power & Light Company 1st & Refunding 5s 1956 |
| 15,000 | Jersey City, Hoboken and Paterson Street Rwy Co. 1st 4s 1949 |
| 10,000 | Mississippi River Power Company 1st 5s 1951 |
| 20,000 | Montana Power Company 1st and Refunding 3¾s 1966 |
| 10,000 | New England Power Association 5½s 1954 |
| 15,000 | Ohio Edison Company 1st 4s 1967 |
| 15,000 | Philadelphia Electric Co. 1st & Refunding 3½s 1967 |
| 20,000 | Puget Sound Power & Light Co. 1st 4¼s 1972 |
| 19,000 | Safe Harbor Water Power Corporation 4½s 1979 |

| | |
|---|---|
| 15,000 | Southern Bell Telephone & Telegraph Co. 3¼s 1962 |
| 15,000 | Virginia Electric & Power Company 1st & Refunding 3½s 1968 |
| 10,000 | Western Union Telegraph Company 5s 1960 |

### Industrials

| | |
|---|---|
| 10,000 | Armour & Company of Delaware 4s 1955 |
| 15,000 | Bethelehem Steel Corp. 3¼s 1959 |
| 14,000 | International Paper Company 1st & Refunding 5s 1947 |
| 14,000 | National Steel Corp. 3s 1965 |
| 20,000 | Shell Union Oil Corp. 2½s 1954 |

### Sundry

| | |
|---|---|
| 15,000 | Adams Express Company Collateral 4s 1948 |

### Common

| STOCKS | |
|---|---|
| 500 shares | Amerex Holding Corporation |
| 300 shares | American Can Company |
| 410 shares | American Telephone & Telegraph Company |
| 204 shares | Atchison Topeka & Santa Fe Railway Company |
| 300 shares | Bankers Trust Company |
| 500 shares | Borden Company |
| 400 shares | Boston Edison Company |
| 100 shares | Boston Real Estate Trust |
| 100 shares | Central Hanover Bank & Trust Company |
| 200 shares | Chemical Bank & Trust Company |
| 500 shares | Commonwealth Edison Company |
| 200 shares | Consolidated Gas Electric Light & Power Co. of Baltimore |
| 60 shares | Consolidated Natural Gas Co. of Delaware |
| 25 shares | Dwelling House Associates |
| 150 shares | Eastman Kodak Company |
| 150 shares | Firemans Fund Insurance Company |
| 500 shares | First National Bank of Boston |
| 1,200 shares | General Electric Company |
| 400 shares | General Motors Corporation |
| 400 shares | Great Northern Railway Preferred |
| 150 shares | Guaranty Trust Company of New York |
| 300 shares | Hartford Fire Insurance Company |
| 110¼ shares | International Business Machines Corporation |
| 200 shares | International Harvester Company |
| 100 shares | Liggett & Myers Tobacco Company |
| 200 shares | Liggett & Myers Tobacco Company, common "B" |
| 400 shares | Loews Incorporated |

| | |
|---|---|
| 100 shares | Ludlow Manufacturing & Sales Company |
| 200 shares | Montgomery Ward & Company |
| 500 shares | National Shawmut Bank of Boston |
| 116 shares | New England Telephone & Telegraph Company |
| 500 shares | Phillips Petroleum Company |
| 300 shares | Phoenix Insurance Company of Hartford |
| 202 shares | Proctor & Gamble Company |
| 300 shares | Standard Oil Company of Indiana |
| 600 shares | Standard Oil Company of New Jersey |
| 100 shares | Sun Oil Company |
| 500 shares | Swift & Company |
| 180 shares | Tacoma Transit Company |
| 500 shares | Texas Company |
| 300 shares | Torrington Company, Maine |
| 400 shares | Union Carbide & Carbon Corporation |
| 100 shares | Union Pacific Railroad Company |
| 200 shares | United Fruit Company |
| 200 shares | United Shoe Machinery Corporation |
| 200 shares | United States Gypsum Company |
| 200 shares | United States Smelting, Refining & Mining Company |

### PREFERRED

| | |
|---|---|
| 200 shares | Cleveland Electric Illuminating Company $4.50 preferred |
| 200 shares | Commonwealth & Southern Corporation $6.00 Cum Pfd |
| 250 shares | Connecticut Light & Power Company $2.20 preferred |
| 200 shares | Consolidated Edison Company of New York, $5.00 preferred |
| 100 shares | Eastern Massachusetts Street Railway 1st $6.00 preferred "A" |
| 100 shares | Electric Bond & Share Company $6.00 preferred |
| 150 shares | Engineers Public Service Co. $5.50 cum preferred |
| 50 shares | Engineers Public Service Co. $5.00 conv preferred |
| 150 shares | Safeway Stores, Incorporated $5.00 preferred |
| 200 shares | Southern Railway Company 5% non cum preferred |
| 300 shares | United States Steel Corporation 7% cum preferred |

### SECURITIES HELD FOR WEBER FUND

BONDS

| | |
|---|---|
| $ 100 | U. S. Savings Bond "G" Reg Taxable 2½%, February 1, 1955 |
| 9,000 | U. S. Savings Bond "G" Reg Taxable 2½%, March 1, 1955 |

*The Managers gratefully acknowledge receipt of the following legacies during the year 1943:*

| | |
|---|---|
| Estate of Charles H. Beverly | $ 278.14 |
| Final distribution, making a total of $778.14 | |
| Estate of Mrs. Fannie Moorhead Blanchard | 7,150.00 |
| Estate of Alfred E. Haines | 147.68 |
| Final distribution, making a total of $9,247.68 | |
| Estate of Mrs. Sarah Ella Murray | 2,000.00 |
| Estate of Elizabeth R. Stevens | 18.94 |
| Additional, making a total of $543,215.62 | |

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| | |
|---|---|
| Gift of Mr. Neal Rantoul to establish a fund to be known as the Neal Rantoul Fund, the income only of which is to be used exclusively for the purpose of furthering the investigation of the causes of deafness in children and in adults, and to provide assistance and treatment for the relief and amelioration of deafness, by medical, surgical or mechanical means | $17,687.50 |
| John and Martha Lawrence Fund | 400.00 |
| Additional, making a total of $9,899.16.<br>Principal and income to be at the disposal of the Ladies' Visiting Committee. | |
| Alumni Fund | 768.00 |
| Established by the Alumni Association of the Massachusetts Eye and Ear Infirmary. | |

# PERMANENT FUNDS—INCOME RESTRICTED

| | | |
|---|---|---|
| 1876 | Bequest under Will of Miss Susan P. Gray<br>Income to be applied to the relief and assistance of poor patients of the Infirmary. | $ 1,000.00 |
| 1882 | Berkshire Fund<br>Gift of Zenas M. Crane to establish a free bed to be known as the "Berkshire Bed," and to be used by preference by patients coming from Pittsfield, Massachusetts, or the adjacent locality. | 5,000.00 |
| 1889 | Bequest under Will of Elisha T. Loring<br>Income to be applied for the benefit of destitute patients. | 3,500.00 |
| 1898 | John W. and Belinda L. Randall Fund<br>Income, so far as practical, to be used to increase and diffuse knowledge in relation to health and disease of the eye and ear. | 30,000.00 |
| 1898 | The Frederick E. Weber Fund<br>Bequest under the will of Frederick E. Weber to be designated "The Frederick E. Weber Fund." One-half of the net income of the Fund and of its accumulations in each year shall each year be expended for the charitable purposes of the Infirmary. | 9,220.51 |
| 1899 | The Theodore Chase Memorial Fund<br>Gift of Mrs. Theodore Chase to establish "The Theodore Chase Memorial Fund." Income to be used for books and magazines for aural patients. | 2,500.00 |
| 1901 | Aural Surgeons' Fund<br>Gift of Dr. Clarence J. Blake to provide a fund to be known as the "Aural Surgeons' Fund." Income to be spent by the Surgeons only in the Aural Department. | 16,227.18 |
| 1901 | Bequest under Will of Henry Saltonstall<br>Annual income to be applied in equal shares to the Aural and Ophthalmic Departments. | 10,000.00 |

| | | |
|---|---|---|
| 1909 | BEQUEST UNDER WILL OF FREDERICK R. SEARS<br>Income to be used in any way that may add to the happiness and comfort, or that may tend to lighten the weary hours, of those unfortunates who may be afflicted with diseases of the eye, by rendering assistance to the families of such as are deserving and poor, and by providing such extra comforts to them and their families as may seem proper to the officers of the Infirmary. | $ 20,000.00 |
| 1912 | THE FUND FOR THE MAINTENANCE OF THE GARDNER BUILDING<br>Gift of Mr. Shepherd Brooks. | 21,700.04 |
| 1912 | SOCIAL SERVICE FUND<br>Gift of Mrs. Shepherd Brooks. | 5,000.00 |
| 1914/15 | BEQUEST UNDER WILL OF WILLIAM S. HILLS<br>Income only to be used for free patients. | 10,000.00 |
| 1916 | BEQUEST UNDER WILL OF MITCHELL A. DEARBORN<br>Income to be used for Social Service work. | 1,000.00 |
| 1923 | WILLIAM F. WATSON FREE BED FUND<br>Bequest under will of Catherine E. Watson to establish a free bed in the Aural Department, to be known as the "William F. Watson Free Bed." | 6,000.00 |
| 1928 | MARY LOWELL STONE FUND<br>Gift of Miss E. F. Munroe to establish a fund to be designated the "Mary Lowell Stone Fund," income to be used for needy, deserving patients. | 2,450.00 |
| 1932/43 | GEORGE STRONG DERBY MEMORIAL FUND<br>Income to be applied annually under the direction of the Board of Surgeons and the Board of Managers to continue the work of Doctor Derby along medical-social service lines. | 13,065.10 |

| | | |
|---|---|---|
| 1938 | BEQUEST UNDER WILL OF CHARLOTTE S. SPRAGUE<br>For the endowment of a free bed in memory of Elizabeth J. Ward, the occupancy of said bed to be designated by the Rector of Emmanuel Church in Boston. | $ 10,000.00 |
| 1941/43 | HENRY CLAY JACKSON FUND<br>Gift by the Trustees of the Paul Wilde Jackson Trust to establish a fund to be known as the "Henry Clay Jackson Fund," income only to be used to help children afflicted or threatened with deafness. | 59,459.87 |
| 1943 | NEAL RANTOUL FUND<br>Gift by Mr. Neal Rantoul to establish a fund to be known as the Neal Rantoul Fund, the income only of which is to be used exclusively for the purpose of furthering the investigation of the causes of deafness in children and in adults, and to provide assistance and treatment for the relief and amelioration of deafness, by medical, surgical or mechanical means. | 17,687.50 |
| 1938/42 | THE JOHN AND MARTHA LAWRENCE FUND<br>Established by the Ladies' Visiting Committee. | 9,899.16 |
| 1943 | ALUMNI FUND<br>Established by the Alumni Association of the Massachusetts Eye and Ear Infirmary. | 768.00 |

## PERMANENT FUNDS—INCOME UNRESTRICTED

| | | |
|---|---|---|
| 1850 | Bequest under Will of John Bromfield | $ 10,000.00 |
| 1871 | Joy Fund<br>Bequest under will of Miss Nabby Joy to be designated the "Joy Fund." | 10,000.00 |
| 1882 | Nathaniel Thayer Fund<br>Gift of Mr. Nathaniel Thayer to be known as the "Nathaniel Thayer Fund." | 54,570.00 |
| 1887 | Perkins Fund<br>Bequest under will of Richard Perkins to be known as the "Perkins Fund." | 10,000.00 |
| 1890 | Ellen M. Gifford Fund<br>Bequest under will of Mrs. Ellen M. Gifford to be called the "Ellen M. Gifford Fund." | 5,000.00 |
| 1891 | Bequest under Will of J. Huntington Wolcott | 1,500.00 |
| 1895 | Bequest under Will of Samuel E. Sawyer | 2,382.20 |
| 1896/97 | Ann White Vose Fund | 18,591.54 |
| 1898 | Bequest under Will of Henry L. Pierce | 20,000.00 |
| 1907 | Adelaide Le Compte Spalding Fund<br>Gift of Francis D. LeCompte in memory of Adelaide LeCompte Spalding | 25,000.00 |
| 1912 | Julia M. Moseley Fund | 6,190.47 |
| 1915 | Bequest under Will of Harriet Otis Cruft | 10,000.00 |
| 1921 | Bequest under Will of Clara B. Kimball | 1,050.00 |
| 1921 | Charles Frederick Smith Fund<br>Bequest under will of Charles Frederick Smith to be known as the "Charles Frederick Smith Fund." | 8,663.00 |
| 1923 | Bequest under Will of Harriet S. Hazeltine | 13,000.00 |
| 1924/36 | Bequest under Will of Joseph B. Glover | 28,936.58 |

| | | |
|---|---|---|
| 1924 | ANNA P. ROGERS FUND<br>Bequest under will of Anna P. Rogers to be known as the "Anna P. Rogers Fund." | $ 10,000.00 |
| 1927 | ALICE-LEE THOMAS STEVENSON FUND<br>Gift of Robert H. Stevenson, Jr. to establish a fund to be known as the "Alice-Lee Thomas Stevenson Fund." | 10,000.00 |
| 1927 | CHARLES C. ELY FUND | 5,000.00 |
| 1927 | DR. E. H. BRADFORD FUND<br>Gift of Mrs. Edith Fiske Bradford in memory of her husband to establish a fund to be known as the "Dr. E. H. Bradford Fund." | 1,000.00 |
| 1927 | LEVINA B. URBINO FUND<br>Bequest under will of Samson R. Urbino to establish a fund to be known as the "Levina B. Urbino Fund." | 500.00 |
| 1927 | WALTER C. LEWIS FUND | 25,000.00 |
| 1931 | HENRY A. PAGE FUND<br>Bequest under will of Ellen Page Hall to be known as the "Henry A. Page Fund." | 30,000.00 |
| 1931/32 | GEORGE C. PIERCE FUND<br>Bequest under will of Merrill L. Pierce to be known as the "George C. Pierce Fund." | 34,251.95 |
| 1931/43 | BEQUEST UNDER WILL OF ELIZABETH R. STEVENS | 543,215.62 |
| 1934 | BEQUEST UNDER WILL OF HANNAH HATHAWAY KIMBALL | 1,000.00 |
| 1935 | HENRY CLAY JACKSON FUND<br>Gift by the Trustees of the Paul Wilde Jackson Trust to be known as the "Henry Clay Jackson Fund." | 25,500.00 |
| 1936/39 | GEORGE W. BUTTERFIELD FUND<br>Bequest under will of Helen C. Butterfield to be known as the "George W. Butterfield Fund." | 1,009.19 |
| 1942/43 | BEQUEST UNDER WILL OF CHARLES H. BEVERLY | 778.14 |

## UNRESTRICTED BEQUESTS

| | | |
|---|---|---|
| 1914 | Allen, Caroline B. | $ 5,000.00 |
| 1942 | Allen, Perry O.<br>"In honor of Jessie Adell Allen Phelps" | 1,000.00 |
| 1930 | "Anonymous," from a patient of Dr. George S. Derby | 2,000.00 |
| 1941 | Applebee, Mrs. Louie G. | 500.00 |
| 1905 | Appleton, Emily W. | 2,000.00 |
| 1892 | Ashton Elisha Vinton<br>Annual income from a trust established under his will. | |
| 1859 | Austin, Mrs. Agnes | 1,000.00 |
| 1914 | Bartlett, Francis | 10,000.00 |
| 1889 | Bartlett, Sidney | 5,000.00 |
| Prior to 1835 | Belknap, Jeremiah | 1,000.00 |
| Prior to 1835 | Belknap, Miss Mary | 1,000.00 |
| Prior to 1835 | Belknap, Sarah | 1,500.00 |
| 1930 | Bernstein, William | 100.00 |
| 1942 | Berry, George Y | 200.00 |
| 1900/02 | Billings, Robert C. | 50,000.00 |
| 1938/41 | Bird, Harriet E. | 31,650.05 |
| 1929 | Black, George Nixon | 10,000.00 |
| 1943 | Blanchard, Mrs. Fannie Moorhead | 7,150.00 |
| 1873 | Blanchard, John A. | 1,000.00 |
| 1926 | Blodgett, Albert N.<br>Annual income from a trust established under his will. | |
| 1906 | Bolton, William T. | 552.22 |
| 1871 | Bordman, M. A. | 100.00 |
| 1910 | Boyd, George William | 5,000.00 |
| 1898/41 | Bradlee, Josiah Putnam | 267,391.24 |
| 1914/27 | Bradstreet, Charlotte A. | 23,273.50 |
| 1942 | Brett, Miss Minnie Ward | 20,000.00 |
| 1934 | Brewster, William | 10,000.00 |
| 1941 | Briggs, Clara H. | 3,000.00 |
| 1924 | Brigham, Robert B.<br>Annual income from a trust established under his will. | |
| 1936/38 | Brooks, Martha H. | 11,070.73 |
| 1885 | Brooks, Mrs. Susan O. | 1,000.00 |
| 1930 | Brown, Miss Annie H. | 20,000.00 |
| 1845 | Brown, John | 200.00 |

| | | |
|---|---|---|
| 1902/03 | Browne, Edward I. | $ 10,000.00 |
| 1904 | Center, Joseph H. | 1,000.00 |
| 1896 | Cheney, Benjamin P. | 2,000.00 |
| 1898 | Colburn, Eliza Ann | 5,000.00 |
| 1938 | Comee, Lillian M. | 200.00 |
| 1933/42 | Cook, George Green | 6,598.98 |
| 1939 | Crosby, Mary Celia | 2,000.00 |
| 1938/39 | Crowell, Mary Louise | 12,582.41 |
| 1934 | Curtis, Louis | 2,500.00 |
| 1923 | Cushing, Herbert B. | 1,000.00 |
| 1877 | Dalton, Delia | 50.00 |
| 1861 | Dalton, P. R. | 500.00 |
| 1873 | deRohbinder, Elise | 87.50 |
| 1929 | Dix, John H. | 50.00 |
| 1933/41 | Eaton, Lucy H. | 62,950.00 |
| 1933/39 | Eaton, Mary Agnes | 3,750.92 |
| 1929 | Eaton, William | 500.00 |
| 1923 | Estabrook, Arthur F. | 10,000.00 |
| 1925 | Estabrook, Ida F. | 10,000.00 |
| 1904 | Farlow, John S. | 2,500.00 |
| 1933/34 | Field, Edward B. | 500.00 |
| 1940 | Gardner, George Peabody | 10,000.00 |
| 1896 | Glover, Albert | 1,000.00 |
| 1902 | Glover, Joseph B. | 5,000.00 |
| 1901 | Goddard, Rebecca A. | 500.00 |
| 1929/30 | Goldsmith, Benjamin H. | 1,824.67 |
| 1886/87 | Goldsmith, Mrs. Sophia P. | 759.84 |
| 1844 | Gossler, Gustavus | 1,000.00 |
| 1884 | Gray, Miss Ann E. | 1,000.00 |
| 1924/25 | Green, Charles G. | 36,214.02 |
| | Also annual income from a trust established under his will. | |
| 1863 | Greene, B. D. | 2,000.00 |
| 1941 | Grout, Mrs. Zira R. | 5,000.00 |
| 1898 | Hagerty, Peter F. | 2,556.25 |
| 1941/43 | Haines, Alfred E. | 9,247.68 |
| 1874 | Hammond, Daniel | 509.17 |
| 1904 | Hayden, Charles H. | 50,000.00 |
| 1933 | Hazlett, John P. | 2,500.00 |
| 1884 | Homer, Albert | 60.50 |
| 1871 | Homer, Sidney | 1,000.00 |
| 1879 | Hovey, G. O. | 2,000.00 |
| 1873/74 | Hudson, Benjamin | 22,308.97 |
| 1889 | Hunt, Moses | 1,000.00 |
| 1940 | Hurd, Charles Russell | 500.00 |

| | | |
|---|---|---|
| 1853 | Ingersoll, James | $ 1,000.00 |
| 1836 | Jackson, Miss Sarah | 600.00 |
| 1871 | Joy, Miss Nabby | 5,000.00 |
| 1926 | Kimball, Miss Lulu S. | 3,000.00 |
| 1896 | Kimball, Moses | 5,000.00 |
| 1912 | Lamson, Miss Catherine M. | 2,000.00 |
| 1879/91 | Lane, Miss Henrietta | 7,114.71 |
| 1871 | Lawrence, Abbott | 1,500.00 |
| 1858 | Lawrence, Mrs. Susan | 500.00 |
| 1875 | Lee, Rebecca | 1,000.00 |
| 1868 | Loring, Abigail | 5,017.33 |
| 1900 | Lowell, Augustus | 10,000.00 |
| 1909 | Lyman, Florence | 7,811.46 |
| 1939 | Mace, Marjorie J. | 1,000.00 |
| 1942 | Mann, Thomas D. | 100.00 |
| 1935 | McCrossen, Patrick H. | 25.00 |
| 1878 | McGregor, James | 1,000.00 |
| 1907 | Merriam, Charles | 5,000.00 |
| 1912 | Morse, Mrs. Samuel T. | 500.00 |
| 1940 | Morss, John Wells | 10,000.00 |
| 1924/30 | Moseley, Frances A. | 31,782.50 |
| 1844 | Munson, Israel | 3,000.00 |
| 1943 | Murray, Mrs. Sarah Ella | 2,000.00 |
| 1935/39 | Newcomb, Miss Lucy | 976.25 |
| 1900/03 | Parker, Elizabeth P. | 27,220.16 |
| 1845 | Parker, John | 5,000.00 |
| 1924 | Parkman, Henry | 2,500.00 |
| 1935 | Parlin, Albert Norton, Trustees under Will<br>Free Bed Fund | 25,000.00 |
| 1838 | Payne, William C. | 10,000.00 |
| 1940 | Peavy, Silas<br>Free Bed Fund | 1,000.00 |
| 1929 | Perkins, Isabella S. | 5,000.00 |
| 1900 | Peters, Edward D. | 500.00 |
| 1939 | Peters, G. Gorham<br>Annual income from a trust established under his will. | |
| 1860 | Phillips, Jonathan | 5,000.00 |
| 1863/64 | Pickens, John | 863.38 |
| 1941 | Pierce, Clara F. | 933.33 |
| 1906/07 | Potter, Sarah E. | 88,330.50 |
| 1878 | Powars, Eliza | 2,000.00 |
| 1915/27 | Pratt, Sarah E. | 2,988.34 |
| 1871 | Read, James | 500.00 |
| 1880 | Reynolds, J., legacy received through | 100.00 |
| 1927 | Riley, William J. | 5,000.00 |

| | | |
|---|---|---|
| 1939 | Ross, Ellen H. | $ 5,000.00 |
| | "In name and memory of my sister, Mary E. Haven." | |
| 1912 | Rotch, Arthur | 14,326.30 |
| 1903 | Ruggles, Mary Louisa | 3,000.00 |
| 1911/13 | Rust, Nancy E. | 2,640.00 |
| 1887/88 | Scholfield, Ann | 4,250.00 |
| 1891 | Scholfield, Joseph | 2,500.00 |
| 1942 | Sears, Herbert M. | 2,000.00 |
| 1918 | Sewall, Richard Black | 25,000.00 |
| 1930 | Smith, Miss Ellen Vose | 29,793.70 |
| 1936 | Sohier, Emily L. | 3,000.00 |
| | "To be added to the George Strong Derby Memorial Fund." | |
| 1887 | Somes, Miss Abby | 5,000.00 |
| 1920 | Spencer, Aaron W. | 2,000.00 |
| 1925 | Sweeney, Christopher F. | 50.00 |
| 1894 | Sweetser, Mrs. Anne M. | 1,000.00 |
| 1884 | Swett, Mrs. Mary W. | 2,000.00 |
| 1874 | Templeton, John | 5,000.00 |
| 1897 | Thayer, Mrs. Cornelia V. R. | 10,000.00 |
| 1942 | Thomas, John P. | 50.00 |
| 1923/28 | Thompson, Joseph | 3,761.09 |
| 1897 | Tileston, Charles | 2,797.30 |
| 1941 | Tucker, Lena A. | 5,000.00 |
| 1896 | Turner, Mary B. | 2,000.00 |
| 1921 | Upton, George B. | 5,000.00 |
| 1881 | Upton, Mrs. George B. | 500.00 |
| 1924 | Vialle, Charles A. | 3,000.00 |
| 1920 | Vose, Abbie T. | 1,014.90 |
| 1914 | Wadleigh, Horace W. | 2,000.00 |
| 1845 | Waldo, Daniel | 6,000.00 |
| 1934 | Welton, John C. | 4,000.00 |
| 1916 | Wheelwright, John W. | 2,000.00 |
| 1902 | White, Susan J. | 10,000.00 |
| 1942 | Williams, Miss Emma Frances | 1,000.00 |
| 1935 | Willson, Mary A. | 3,000.00 |
| 1934 | Wilson, Annie C. | 1,002.19 |
| 1912 | Wolcott, Harriet Frothingham | 5,532.00 |
| 1932 | Woods, Henry D. | 5,000.00 |
| 1897 | Wyman, Thomas T. | 20,000.00 |
| 1895 | Kettell, Catherine H. | 300.00 |
| | Gift "In memory of Louisa C. Kettell." | |

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| | | |
|---|---|---|
| 1927/29 | One Hundredth Anniversary Campaign Fund | 406,107.80 |

## FUNDS FOR SPECIAL PURPOSES

| | | |
|---|---|---|
| Fund to Aid Persons Having Glaucoma | | |
| Mrs. Christine Hutchinson | | $ 100.00 |
| Fund for Artificial Larynx | | |
| Ladies' Visiting Committee | $ 50.00 | |
| Mrs. Richard Cary Curtis | 100.00 | 150.00 |
| Fund for Christmas | | |
| Mary A. Crabtree Fund | $75.00 | |
| Ladies' Visiting Committee | 10.00 | |
| Mrs. Richard Cary Curtis | 25.00 | 110.00 |
| Fund for Fundus Camera | | |
| Proceeds from the sale of old camera | | 912.50 |
| Fund for Glasses for Patients Unable to Pay | | |
| Anonymous | | 1,000.00 |
| Fund for Graduate Courses in Ophthalmology | | |
| Mr. Logan | | 5.00 |
| Fund for Humidifying Room | | |
| Maurice G. Evans, M.D. | $ 25.00 | |
| Jacob Wallace | 25.00 | |
| Harold P. Carver | 50.00 | 100.00 |
| Fund for Lamp & Chairs—House Officers' Flat | | |
| Mrs. Richard Cary Curtis | | 80.00 |
| Fund for Magazines for Nurses' Home | | |
| Ladies' Visiting Committee | | 25.20 |
| Fund for Dr. Mosher's Laboratory | | |
| Samuel Cline, M.D. | $ 100.00 | |
| Anonymous | 2,500.00 | 2,600.00 |
| Fund for Occupational Therapy | | |
| Ladies' Visiting Committee | | 200.00 |
| Fund for Special Aid to Patients of Dr. Robert L. Goodale | | |
| Miss Charlotte Peirce | | 50.00 |
| Fund for Thanksgiving | | |
| Harris P. Mosher, M.D. | | 10.00 |
| | | $ 5,921.34 |

| | | |
|---|---|---|
| Brought forward | | $ 5,921.34 |
| Fund for Transfusions, Special Nurses and X-ray Treatments for Patients Unable to Pay | | |
| Charles P. Curtis | | 50.00 |
| Permanent Charity Relief Fund | | |
| Committee of the Permanent Charity Fund, Inc. | $ 500.00 | |
| Proceeds from the sale of Old Gold | 28.64 | 528.64 |
| Social Service Fund—Overseers Cases | | |
| Boston Council of Social Agencies | | 499.94 |
| Special Fund for Research—Pathological Laboratory | | |
| J. Edgar Pew | $2,000.00 | |
| Roy W. Anderson | 20.00 | |
| Gift of J. Edgar Pew | 5,750.00 | 7,770.00 |
| Special Fund for Use of Social Service | | |
| Anonymous | | 25.00 |
| Special Research Otosclerosis Fund | | |
| Harry M. Feinberg | $ 150.00 | |
| Anonymous | 850.00 | |
| Evelyn B. Fiske, M.D. | 500.00 | |
| Miss Beatrice Parker | 250.00 | |
| Mrs. Agnes M. Gallo | 100.00 | |
| Joel Cohen | 200.00 | |
| Edna J. Kramer, Atty. | 100.00 | 2,150.00 |
| The Residents' Fund | | |
| Wallace & Tiernan Products, Incorporated | | 200.00 |
| Nelson E. Weeks Fund | | |
| Permanent Charity Fund Incorporated | | 750.00 |
| Frederic Winthrop Foundation Fund | | |
| Major Frederic Winthrop | $3,000.00 | |
| Haffenreffer & Company, Inc. | 300.00 | |
| Mrs. Dorothy Bastille | 25.00 | |
| Professor Robert Jackson | 25.00 | |
| Mr. T. C. Haffenreffer | 200.00 | 3,550.00 |
| | | $20,866.28 |

# Report of the Ladies' Visiting Committee

The Ladies' Visiting Committee has held its meetings as usual every second Wednesday each month. Most of our members live out of town and the difficulties of transportation added to extra War duties have resulted in small attendance at the meetings.

We did not have a Rummage Sale this Spring as we had held one the previous Fall, but we added $300 to the John and Martha Lawrence Fund last January, bringing the total to $9,518.42. We are planning another Sale for next April and hope that our friends and friends of the Infirmary will remember us at that time.

During the year our Committee gave $200 to the Occupational Therapy Department for supplies and $50 to Dr. Schall for expenses incurred in conducting evening classes to teach patients to talk without the aid of artificial larynges. One of our members added $100 to this amount and I understand from Dr. Schall that the results have been most satisfactory.

Two of our members gave 10 lbs. of candy for Thanksgiving and for Christmas our Committee bought and wrapped presents for all the patients who were in the Hospital on Christmas day. Some of our members also bought small presents for the children's stockings and one of our members gave larger toys for use in the Nursery. We also gave the Hospital 30 lbs. of candy and a decoration for the front door. Members of the Committee gave poinsettia plants for the Wards and we supplied fruit for the tables in the Nurses' Dining Rooms and for the patients in place of Christmas greens which were not allowed because of the fire hazard.

Two members of our Committee gave new curtains for the sitting room in the Nurses' Home and wall hangings to help cheer up the Social Service room. We also replaced the old curtains in the Surgeons' Library and redecorated the patients' sitting room on the Private Floor.

We gave $25 for the renewal of the daily and Sunday papers and magazines for the Nurses' Home and $10 for the Christmas Party for the nurses to which one of our members added another $25.

Three of our members have continued to work at the Emergency Desk and in the Admitting Clerks' Office writing up records. This close association with the Infirmary has been the most interesting part of our year's work to those of us who have tried to help.

HELEN M. SARGENT
*Chairman, Ladies' Visiting Committee*

# Report of the Director

To the Managers:

Herewith I submit my ninth report as Director and the report for the year 1943.

The activities of the Infirmary in normal years fall into three catagories, the care of the sick its primary responsibility to the community; teaching a secondary responsibility, including instruction to medical students, graduate doctors, nurses, social workers and others, and research, a responsibility voluntarily assumed by the staff because of that inborn desire of such doctors to improve the practice of medicine, to benefit patients, to alleviate suffering and to press towards that unattainable goal, the prevention of all disease.

Two years of war conditions have not basically changed these activities though they have produced variation from customary practices. Twenty-five members of the staff are serving in the Armed Forces. To assist the remaining staff, almost all of whom are above military age or are ineligible for service, many of the older men who had retired have returned to active service. Other doctors who formerly engaged only in private practice have been appointed to lower staff positions and by coming in one or more days a week assist in the large Out-Patient Clinics. Without the help of these two groups it would be impossible to maintain the customary care of patients.

Every department has experienced a shortage of personnel. Miss Johnson, Superintendent of Nurses, describes graphically the difficulties encountered in the nursing service. In the housekeeping department in normal years the average number of porters and cleaners has been fourteen. Last year the average was eight and one day only three were available. This is typical of all service departments.

Without the assistance of Volunteers the work of the Infirmary could not have carried on. They have worked in practically all departments; nursing, dietary, housekeeping, clerical, occupational therapy and social service. Some have given days, some hours of service, often at real sacrifice, having worked all day at their regular job or by volunteering on their day off. To all who have so helped us, their country and their fellow men and women, the Infirmary is most grateful.

The Ladies' Visiting Committee is in a way a permanent volunteer group, which has served the Infirmary since its formation in 1915. The Ladies raise and expend money for special purposes, make gifts both personal and as a committee and give generously of their time both in and out of the hospital. Mrs. Sargent, their Chairman, has been indefatigable.

Teaching: the Medical School has compressed the teaching formerly covering 12 months into 9 months and 4 years into 3 years. Classes graduate every 9 months. The increase in teaching load is obvious yet it must be carried by a reduced staff. Residencies exemplify a form of post graduate teaching and impose on the staff a very real obligation to see that all residents receive a very large amount of personal instruction. Because the Infirmary Staff has always conscientiously performed this duty, residencies here have been eagerly sought. The Procurement and Assignment Committee of the War Man Power Commission was formed to adjust the needs of the Armed Services and civilian communities and hospitals for doctors. One of their problems was to arrange for internships and residencies in hospitals not only that civilian needs might be met, but also that untrained medical students might be prepared through appropriate training in hospitals for Army and Navy service. Although the Committee and the hospitals strove cooperatively to meet this situation, much confusion resulted. The Infirmary reduced its former two year residencies to one year and the number of residents from 22 to 12 — 6 on each service. Complications resulted from men holding commissions being ordered to active duty before completion of their residencies. There was a lack of understanding by the authorities of the requirements of the Infirmary. This finally led to a decision by the Managers in November, to return to the 2 year residency and to appoint only women or men ineligible for service in the Armed Forces.

The leadership of Drs. Schall and Chandler in their respective services during this trying year has been exceptional. Dr. Chandler, who became Acting Chief of Ophthalmology when Dr. Dunphy was ordered to foreign service, has done this at considerable sacrifice, since his duties at the Infirmary have made very real inroads on his time for private patients.

Research: With the exception of a few projects research has been restricted to work connected with the war effort. During the past two years, the staff of the Howe Laboratory has been actively at work on numerous projects carried on under contracts between the United States Navy Department and the Infirmary. In some instances this has led the Infirmary into fields quite apart from its customary activities in the care of the sick. But such has been the special abilities of the staff in certain scientific lines, practically unobtainable from other sources, that it seemed imperative that their skills be made available.

Even as during the Dark Ages of history, a few lights shone amid the general gloom, so during this year of research limitation one study stands out brilliantly. Through the generosity of Major Frederic Winthrop, a study of deafness caused by oto-sclerosis has been carried on. Much has been learned; much remains to be studied. Continuation of this study has now been assured through the establishment of the Winthrop Fund. One thing leads to another; from this study methods of relieving this form of deafness have resulted through the use of hearing aids and other forms of treatment. The mere establishment of a diagnosis is of slight comfort to the patient, though it gives satisfaction to the doctor. The patient wants relief. Hearing aids are costly. Class methods of instruction require paid teachers. Assistance for this has come forward through the gift of Mr. Neal Rantoul, the income of which may be used for these purposes, thus supplementing in a practical way the scientific discoveries of the Winthrop study.

The reduced occupancy of the public wards, the increased demands for private accommodations and the sizable operating deficit, force consideration of the situation thus created. Patients in public wards are not expected, according to the accepted charitable hospital policy, to pay the full cost of their hospital care. Costs above what they are able to pay are borne by income from endowment, gifts and the contribution from the Community Fund.

Patients in private rooms are expected to pay something more than the cost of their care, such profit to be used to help meet the deficit of the public wards. Hospitals present special advantages in the care of the sick. These advantages apply to all classes and should be available to all. It is to the advantage of both public and private patients, to the staff doctors who provide professional care for both, to have an adequate number of beds available, so arranged and so related in numbers as to meet varying economic changes.

The increased demand for private rooms is undoubtedly the result of better wages, steady employment, Blue Cross Insurance and similar economic factors. This should result in a marked increase in hospital income, which should offset the accompanying increase in wages and cost of supplies. To benefit in this way however, a hospital must have a ratio of private beds to public beds sufficient to produce an increased profit that will offset the increased cost. Otherwise it must adjust finances by increasing ward costs, thereby reducing its charitable contribution.

The Infirmary has 185 public and 42 private beds: 23%. The Massachusetts General Hospital at present has 465 public beds and 457 private beds or approximately 50%. The Massachusetts General Hospital has largely balanced its increased costs through the increased income from private patients. The disadvantages under which the Infirmary is operating is obvious. The Infirmary should have at least 100 private beds. Relief was sought through placing rooms on the second and third floors opening from the rotunda, at the disposal of the staff for private patients, provided they were not needed for ward patients. Thirty-six patients have been accommodated there. Nothing further can be done at the present time to remedy this condition, but plans should be made now to do so as soon as the war is over.

By vote of the Managers in February the former Executive Committee of the Board of Managers and the Joint Committee of Managers and Staff were combined to form a new Executive Committee consisting of the President, two or three Managers, the Chiefs of Ophthalmology and Oto-Laryngology and the Director.

At the same meeting the Managers expressed their appreciation and thanks to President Russell G. Fessenden for his forty years of untiring and unselfish service to the Infirmary.

In September, Dr. David G. Cogan was named as Director of the Howe Laboratory by both the Infirmary and Harvard University and was also appointed Associate Professor of Ophthalmology by the University.

Miss Helen McCaskill came to the Infirmary from The Massachusetts General Hospital where she had served in various nursing positions from 1920 to 1928; each position that she occupied being an advancement which brought increased responsibility. In August 1928 she became Executive Assistant at the Infirmary and continued in this position until her resignation on October 18, 1943. When Miss Robertson has been away for any reason, it was Miss McCaskill who took over and carried on as Assistant to the Director. Her resignation was occasioned by family reasons and we are extremely sorry that she had to leave.

Mrs. Isabel Cook Nolan, Dietitian, who came to the Infirmary in 1938 resigned August 8, 1943. We were sorry to have her leave.

In January employees were granted, with their expressed approval, an increase in cash wages in lieu of meals formerly provided. Later in the year such difficulties were experienced in obtaining kitchen and serving help that arrangements were made for Residents to eat with the Resident Staff of The Massachusetts General Hospital in the East Cafeteria. This has been most satisfactory. Now night nurses do likewise. The result has been better service plus a saving in man power.

Gifts are acknowledged from: Mr. Charles P. Curtis, Dr. and Mrs. Schall, Mrs. Richard Cary Curtis, Dr. Theodore L. Terry, Dr. and Mrs. Mosher, Dr. and Mrs. Kazanjian, The Ladies' Visiting Committee, the Needlework Guild of America and the American Red Cross Metropolitan Chapter.

## STAFF CHANGES

*Resignations:*

Mr. Edmund V. Keville, member of the Board of Managers. Elected September 9, 1942; resigned September 8, 1943.

Dr. Samuel T. Clarke, Senior Clinical Assistant in Ophthalmology. October 9, 1939; resigned December 20, 1943.

Miss Helen McCaskill, Executive Assistant. Appointed August 23, 1928; resigned October 18, 1943.

Mrs. Isabel Cook Nolan, Dietitian. Employed since June 11, 1938; resigned August 8, 1943.

*Appointments:*

Mr. Frederic Winthrop, a member of the Board of Managers. Elected December 8, 1943.

Dr. Frank R Shlossberg, March 15, 1943, Clinical Assistant in Oto-Laryngology.

Dr. Alphonse L. Senecal, March 15, 1943, Clinical Assistant in Oto-Laryngology.

Dr. Carl H. Ernlund, April 14, 1943, Surgeon in Oto-Laryngology assigned to Tumor Clinic.

Dr. Lyman G. Richards, April 14, 1943, Surgeon in Oto-Laryngology assigned to Bronchoscopic, Esophagoscopic Service.

Dr. Sumner D. Liebman, April 14, 1943, Senior Clinical Assistant in Ophthalmology.

Dr. Daniel Miller, June 21, 1943, Clinical Assistant in Oto-Laryngology.

Dr. George Kelemen, August 16, 1943, Clinical Assistant in Oto-Laryngology.

Dr. Linus A. Sheehan, Senior Clinical Assistant in Ophthalmology.

Dr Lloyd J. Duest, October 18, 1943, Clinical Assistant in Ophthalmology.

Dr. Paul M. Runge, November 15, 1943, Senior Clinical Assistant in Ophthalmology.

Dr. Donald K. Lewis, November 15, 1943, Clinical Assistant in Oto-Laryngology.

Dr. Linley C. Happ, December 20, 1943, Senior Clinical Assistant in Ophthalmology.

Dr. David G. Cogan, September 8, 1943, Director Howe Laboratory.

*Deaths:*

Dr. Elwood T. Easton, Consulting Surgeon in Ophthalmology, January 31, 1943.

Dr. W. Holbrook Lowell, Consulting Surgeon in Ophthalmology, March 31, 1943.

Mrs. Herbert B. Shaw, a member of the Ladies' Visiting Committee, March 10, 1943.

## GARDNER WARD

After noting in last year's report that there has been a steady decline in infectious diseases of the eye, this year a distinct rise is noted, the reasons for which are unknown at present.

| *Year* | *Trachoma* | *Eye Gonorrheal* | *Eye Non-Gonorrheal* | *Ear, Nose and Throat* | *Other Infections* | *Total* |
|---|---|---|---|---|---|---|
| 1942 | 2 | 3 | 38 | 123 | 64 | 230 |
| 1943 | 8 | 11 | 61 | 122 | 74 | 276 |

The vapor room in this building equipped with special vaporizors whereby the humidity can be kept at the saturation point, has proven especially valuable in the treatment of tracheotomy and tracheo-bronchitis cases.

Plans must be made for increasing the number of rooms for private patients, for remodeling the operating rooms, for concentration of laboratories. A new wing replacing the present Pathological Laboratory and Gardner Building seems most suitable for the last two items, though it does not solve the problem of private rooms. Money must be raised and the problem carefully studied.

The Director again points out the need of doubling the endowment of the Infirmary. Blindness and deafness are calamities which affect both individuals and the community. They lessen or eliminate the self supporting powers of the individuals and thus place the burden of support upon the community. The Massachusetts Eye and Ear Infirmary is the outstanding institution in New England where diagnosis and treatment for these crippling conditions can be carried out and where research for prevention and curative measures can be most hopefully supported.

Nathaniel W. Faxon, M.D.
*Director*

## STATEMENT SHOWING SALARIES, SUPPLIES AND EXPENSES

### *For the Twelve Months Ending December 31, 1943*

| SALARIES AND WAGES | Grand Total | Public Ward | Private Ward | Infirmary Total | Out-Patient Department |
|---|---|---|---|---|---|
| Administration and General: | | | | | |
| Administrative | $45,906.16 | $27,553.24 | $6,766.20 | $34,319.44 | $11,586.72 |
| Household and Property: | | | | | |
| Housekeeping | 22,727.99 | 13,564.74 | 2,833.66 | 16,398.40 | 6,329.59 |
| Operation of Plant | 6,837.25 | 5,815.57 | 1,021.68 | 6,837.25 | .......... |
| Maintenance and Repair | 4,196.84 | 2,360.99 | 1,331.88 | 3,692.87 | 503.97 |
| Laundry | 11,659.22 | 11,659.22 | .......... | 11,659.22 | .......... |
| Nurses' Home | 5,950.63 | 5,950.63 | .......... | 5,950.63 | .......... |
| Other Personnel Quarters | 1,031.37 | 1,031.37 | .......... | 1,031.37 | .......... |
| Dietary | 25,730.66 | 23,085.13 | 2,164.98 | 25,250.11 | 480.55 |
| Total Household and Property | $78,133.96 | $63,467.65 | $7,352.20 | $70,819.85 | $7,314.11 |
| Professional Care of Patients: | | | | | |
| Medical—Surgical Care | $16,144.21 | $13,611.73 | $2,532.48 | $16,144.21 | .......... |
| Nursing Care | 59,306.44 | 36,874.16 | 16,657.74 | 53,531.90 | 5,774.54 |
| School of Nursing | 3,133.14 | 2,625.31 | 507.83 | 3,133.14 | .......... |
| Medical Records | 16,207.99 | 6,934.93 | 1,171.44 | 8,106.37 | 8,101.62 |
| Howe Library | 460.00 | 359.20 | 100.80 | 460.00 | .......... |
| Social Service | 17,663.02 | 17,663.02 | .......... | 17,663.02 | .......... |
| Total Professional Care of Patients | $112,914.80 | $78,068.35 | $20,970.29 | $99,038.64 | $13,876.16 |
| Professional Care of Patients—Special: | | | | | |
| Operating Room | $9,520.62 | $5,906.07 | $3,614.55 | $9,520.62 | .......... |
| Anesthesia | 4,764.45 | 4,059.07 | 705.38 | 4,764.45 | .......... |
| X-Ray | 7,693.49 | 2,051.09 | 620.76 | 2,671.85 | 5,021.64 |
| Laboratories: | | | | | |
| Pathological | 8,811.04 | 7,233.88 | 1,253.40 | 8,487.28 | 323.76 |
| Mosher | 3,961.77 | 3,328.53 | 456.00 | 3,784.53 | 177.24 |
| Howe | 458.40 | 458.40 | .......... | 458.40 | .......... |
| Dental Hygienist | 440.10 | 440.10 | .......... | 440.10 | .......... |
| Occupational Therapist | 2,911.15 | 2,911.15 | .......... | 2,911.15 | .......... |
| Optical | 7,233.51 | .......... | .......... | .......... | 7,233.51 |
| Refractionists | 8,268.95 | .......... | .......... | .......... | 8,268.95 |
| Animal Farm | 520.93 | 520.93 | .......... | 520.93 | .......... |
| Total Professional Care of Patients—Special | $54,584.41 | $26,909.22 | $6,650.09 | $33,559.31 | $21,025.10 |
| Total Salaries and Wages | $291,539.33 | $195,998.46 | $41,738.78 | $237,737.24 | $53,802.09 |
| SUPPLIES AND EXPENSES | | | | | |
| Administration and General: | | | | | |
| Administrative | $29,378.50 | $11,939.33 | $2,435.21 | $14,374.54 | $15,003.96 |
| Household and Property: | | | | | |
| Housekeeping | 6,282.56 | 3,884.43 | 1,797.18 | 5,681.61 | 600.95 |
| Operation of Plant | 17,740.02 | 11,750.15 | 1,564.44 | 13,314.59 | 4,425.43 |
| Maintenance and Repair | 1,029.90 | 356.34 | 635.64 | 991.98 | 37.92 |
| Laundry | 3,780.36 | 454.73 | 3,051.15 | 3,505.88 | 274.48 |
| Nurses' Home | 2,729.41 | *221.03* | 2,770.44 | 2,549.41 | 180.00 |
| Other Personnel Quarters | 966.95 | 647.44 | .......... | 647.44 | 319.51 |
| Dietary | 50,082.33 | 27,507.50 | 20,189.08 | 47,696.58 | 2,385.75 |
| Total Household and Property | $82,611.53 | $44,379.56 | $30,007.93 | $74,387.49 | $8,224.04 |
| Professional Care of Patients: | | | | | |
| Medical—Surgical Care | $11,741.91 | $10,253.31 | $1,162.66 | $11,415.97 | $325.94 |
| Nursing Care | 773.95 | 493.44 | .......... | 493.44 | 280.51 |
| School of Nursing | 333.30 | 333.30 | .......... | 333.30 | .......... |
| Medical Records | 1,159.64 | 359.61 | 221.16 | 580.77 | 578.87 |
| Howe Library | 105.59 | *50.29* | 155.88 | 105.59 | .......... |
| Social Service | 4,512.10 | 4,512.10 | .......... | 4,512.10 | .......... |
| Pharmacy and Drugs | 37,412.35 | 9,538.13 | 1,346.63 | 10,884.76 | 26,527.59 |
| Total Professional Care of Patients | $56,038.84 | $25,439.60 | $2,886.33 | $28,325.93 | $27,712.91 |
| Professional Care of Patients—Special: | | | | | |
| Operating Room | $12,027.26 | $9,302.71 | $2,724.55 | $12,027.26 | .......... |
| Anesthesia | 137.86 | 120.76 | 17.10 | 137.86 | .......... |
| X-Ray | 5,297.62 | 1,645.54 | 401.76 | 2,047.30 | 3,250.32 |
| Laboratories: | | | | | |
| Pathological | 3,262.60 | 3,068.54 | 154.22 | 3,222.76 | 39.84 |
| Mosher | 2,953.52 | 2,583.68 | 266.28 | 2,849.96 | 103.56 |
| Howe | *406.39* | *406.39* | .......... | *406.39* | .......... |
| Occupational Therapy | 258.77 | 258.77 | .......... | 258.77 | .......... |
| Optical | 19,432.36 | .......... | .......... | .......... | 19,432.36 |
| Animal Farm | *1.48* | *1.48* | .......... | *1.48* | .......... |
| Massachusetts General Laboratories | 2,904.00 | 2,165.40 | 738.60 | 2,904.00 | .......... |
| Total Professional Care of Patients—Special | $45,866.12 | $18,737.53 | $4,302.51 | $23,040.04 | $22,826.08 |
| Inventory Adjustments, etc. | | | | | |
| Breakage, etc. storeroom | *43.69* | *43.69* | .......... | *43.69* | .......... |
| Cost of Supplies Sold | 47.13 | 47.13 | .......... | 47.13 | .......... |
| Total Inventory Adjustments, etc. | 3.44 | 3.44 | .......... | 3.44 | .......... |
| Total Supplies and Expenses | $213,898.43 | $100,499.46 | $39,631.98 | $140,131.44 | $73,766.99 |
| Total Salaries, Supplies and Expenses—Transferred to Schedule B | $505,437.76 | $296,497.92 | $81,370.76 | $377,868.68 | $127,569.08 |

Total charged to Special Funds included in above—$19,871.05.

# STATEMENT OF EARNED INCOME (AT STANDARD RATES) LESS ALLOWANCES TO PATIENTS

## *For the Twelve Months Ending December 31, 1943*

| Gross Earnings at Standard Rates: | Total 1942 | Total 1943 | Public Ward | Private Ward | Infirmary Total | Out-Patient Department |
|---|---|---|---|---|---|---|
| Day Rate Service | $206,629.24 | $204,737.62 | $143,750.02 | $60,987.60 | $204,737.62 | .......... |
| Special Services: | | | | | | |
| Operating Room | 33,574.25 | 34,403.50 | 24,422.50 | 9,981.00 | 34,403.50 | .......... |
| Anesthesia | 2,094.05 | 2,178.40 | .00 | 2,178.40 | 2,178.40 | .......... |
| X-Ray Examinations | 29,168.42 | 27,380.51 | 7,809.19 | 5,703.90 | 13,513.09 | $13,867.42 |
| X-Ray Therapy | 1,787.60 | 1,349.95 | 369.50 | 445.00 | 814.50 | 535.45 |
| Laboratories: | | | | | | |
| Pathological | 264.00 | 1,182.50 | 735.50 | 447.00 | 1,182.50 | .......... |
| Mosher | 10,585.50 | 9,107.62 | 5,993.13 | 3,114.49 | 9,107.62 | .......... |
| Massachusetts General | 4,580.19 | 5,167.36 | 3,837.00 | 1,292.75 | 5,129.75 | 37.61 |
| Medical—Surgical Supplies | 5,823.94 | 4,724.74 | 3,572.80 | 1,151.94 | 4,724.74 | .......... |
| Special Nurses' Board | 2,224,75 | 1,418.00 | 266.25 | 1,151.75 | 1,418.00 | .......... |
| Telephone (Patients) | 337.86 | 326.92 | 252.43 | 74.49 | 326.92 | .......... |
| Emergency Ward | 4,395.63 | 4,842.45 | 4,842.45 | .00 | 4,842.45 | .......... |
| Optical | 58,410.73 | 49,178.30 | 931.03 | 237.40 | 1,168.43 | 48,009.87 |
| Refractions | 12,324.60 | 10,176.44 | 13.00 | 85.00 | 98.00 | 9,978.44 |
| Admission Fees | 47,265.92 | 39,742.39 | 10.10 | .00 | 10.10 | 39,732.29 |
| Pharmaceutical | 19,306.52 | 17,039.48 | .00 | .00 | .00 | 17,039.48 |
| Operating Room | 5,231.87 | 3,922.77 | .00 | .00 | .00 | 3,922.77 |
| Guests | .00 | 211.50 | .00 | 211.50 | 211.50 | .00 |
| Ambulance | 5.00 | 20.00 | 15.00 | 5.00 | 20.00 | .00 |
| Total Special Services | $237,380.83 | $212,272.83 | $53,069.88 | $26,079.62 | $79,149.50 | $133,123.33 |
| Total Gross Earnings* | $444,010.07 | $417,010.45 | $196,819.90 | $87,067.22 | $283,887.12 | $133,123.33 |
| Other Income: | | | | | | |
| Lunch Counter | $2,399.06 | $2,534.86 | .00 | .00 | .00 | $2,534.86 |
| Clinical Record Fees | 747.47 | 669.88 | 471.80 | .00 | 471.80 | 198.08 |
| Telephone (Others) | 360.23 | 315.56 | 315.56 | .00 | 315.56 | .00 |
| Supplies Sold | 290.32 | 72.22 | 72.22 | .00 | 72.22 | .00 |
| Collections on Old Accounts and Bad Debts | 553.48 | 1,212.99 | 1,212.99 | .00 | 1,212.99 | .00 |
| Discounts on Purchases | 1,625.03 | 1,474.59 | 1,474.59 | .00 | 1,474.59 | .00 |
| Miscellaneous | 3,038.45 | 5,979.45 | 4,614.78 | .00 | 4,614.78 | 1.364.67 |
| Total Other Income | $9,014.04 | $12,259.55 | $8,161.94 | .00 | $8,161.94 | $4,097.61 |
| Total Gross Income | $453,024.11 | $429.270.00 | $204,981.84 | $87,067.22 | $292,049.06 | $137,220.94 |
| Deductions from Income: | | | | | | |
| Allowances to Patients | $70,346.85 | $57,108.03 | $33,437.23 | 437.55 | $33,874.78 | $23,233.25 |
| Bad Debts Charge-offs | 5,877.49 | 6,195.96 | 6.195.96 | .00 | 6,195.96 | .00 |
| Total Deductions | $76,224.34 | $63,303.99 | $39,633.19 | $437.55 | $40,070.74 | $23,233.25 |
| Net Income | $376,799.77 | $365,966.01 | $165,348.65 | $86,629.67 | $251.978.32 | $113,987.69 |

*Gross Earnings derived from following sources:

| | | |
|---|---|---|
| (a) | Accounts receivable | $278,353.83 |
| (b) | Out-Patient Department | 133,123.33 |
| (c) | Cash etc. | 5,533.29 |
| | | $417,010.45 |

# INCOME AND EXPENSE SUMMARY

## *For the Twelve Months Ending December 31, 1943*

| Gross Income: | Grand Total | Public Ward | Private Ward | Infirmary Total | Out-Patient Department |
|---|---|---|---|---|---|
| Earnings—Exhibit 2 | $417,010.45 | $196.819.90 | $87,067.22 | $283,887.12 | $133,123.33 |
| Other Income—Exhibit 2 | 12,259.55 | 8,161.94 | .00 | 8,161.94 | 4,097.61 |
| Total Gross Income | $429,270.00 | $204,981.84 | $87,067.22 | $292,049.06 | $137,220.95 |
| Deductions from Income: | | | | | |
| Allowances to Patients | $57,108.03 | $33,437.23 | $437.55 | $33,874.78 | $23,233.25 |
| Bad Debts Charge-offs | 6,195.96 | 6,195.96 | .00 | 6,195.96 | .00 |
| Total Deductions | $63,303.99 | $39,633.19 | $437.55 | $40,070.74 | $23,233.25 |
| Net Income—Exhibit 2 | $365,966.01 | $165,348.65 | $86,629.67 | $251,978.32 | $113.987.69 |
| Operating Expenses—Exhibit 4 | 505,437.76 | 296,497.92 | 81,370.76 | 377,868.68 | 127,569.08 |
| Operating Surplus or *Deficit* (52 weeks) | *$139,471.75* | *$131,149.27* | $5,258.91 | *$125,890.36* | *$13,581.39* |

# INCOME AND EXPENSE SUMMARY

## *For the Twelve Months Ending December 31, 1942*

| Gross Income: | | | | | |
|---|---|---|---|---|---|
| Earnings | $444,010.07 | $200,487.05 | $83,523.21 | $284,010.26 | $159,999.81 |
| Other Income | 9,014.04 | 6,253.51 | 180.75 | 6,434.26 | 2,579.78 |
| Total Gross Income | $453,024.11 | $206.740.56 | $83,703.96 | $290,444.52 | $162,579.59 |
| Deductions from Income: | | | | | |
| Allowances to Patients | $70,346.85 | $38,157.05 | 275.25 | $38,432.30 | $31,914.55 |
| Bad Debts Charge-offs | 5,877.49 | 5,856.41 | 21.08 | 5,877.49 | .00 |
| Total Deductions | $76,224.34 | $44,013.46 | $296.33 | $44,309.79 | $31,914.55 |
| Net Income | $376,799.77 | $161,727.10 | $83,407.63 | $246,134.73 | $130,665.04 |
| Operating Expenses | 486,808.66 | 285,477.66 | 77,472.40 | 362,950.06 | 123,858.60 |
| Operating Surplus or *Deficit* (52 weeks) | *$110,008.89* | *$122,750.56* | $5,935.23 | *$116,815.33* | $6,806.44 |

## STATISTICS

*January 1, 1943 to January 1, 1944*

| Number of Patients: | *In Ward Jan. 1, 1943* | *Admitted* | *Treated* | *Remaining Dec. 31, 1943* |
|---|---|---|---|---|
| Public Wards: | | | | |
| Eye | 39 | 1,927 | 1,966 | 37 |
| Ear | 20 | 439 | 459 | 14 |
| Nose and Throat | 20 | 1,854 | 1,874 | 12 |
| Total | 79 | 4,220 | 4,299 | 63 |
| Private Ward: | | | | |
| Eye | 10 | 795 | 805 | 15 |
| Ear | 1 | 91 | 92 | 2 |
| Nose and Throat | 5 | 909 | 914 | 6 |
| Total | 16 | 1,795 | 1,811 | 23 |
| Total Public and Private Wards 1943 | 95 | 6,015 | 6,110 | 86 |
| Total Public and Private Wards 1942 | 104 | 6,436 | 6,540 | 95 |

| | *1943* | *1942* |
|---|---|---|
| *Number of days board furnished free Public Wards | 4,290 | 12,291 |
| *Number of days board paid at full rate Public Wards | 32,501 | 25,055 |
| | 36,791 | 37,346 |
| Number of days board paid in Private Ward | 11,329 | 11,092 |
| Total number of patients' days | 48,120 | 48,438 |
| Average number of patients treated daily in Public Wards | 100 | 102 |
| Average number of patients treated daily in Private Ward | 31 | 30 |
| Average number of total patients treated daily | 131 | 132 |
| Average number of days patients remained in Public Ward | 8+ | 7+ |
| Average number of days patients remained in Private Ward | 6+ | 6+ |

---

* The number of days board paid at full rates is obtained by dividing the total amount of cash received from Public Ward patients, after sundry minor adjustments, by the prevailing rate — $4 a day. The rest of the number of days board are reckoned as free.

## OPERATIONS

| | *1943* | *1942* |
|---|---|---|
| Public Ward: | | |
| Eye | 1,974 | 2,034 |
| Ear, Nose and Throat | 2,283 | 2,787 |
| Private Ward: | | |
| Eye | 680 | 683 |
| Ear, Nose and Throat | 725 | 679 |
| Total | 5,662 | 6,183 |

### *Per Capita Costs and Earnings per Day*

| | *1943* | *1942* |
|---|---|---|
| Costs: | | |
| Not including special nurses, Public Wards | $8.06 | $7.64 |
| Not including special nurses, Private Ward | 7.18 | 6.98 |
| Not including special nurses, Public and Private Wards | 7.85 | 7.49 |
| Of food all persons | .52 | .49 |
| Earnings: | | |
| Not including special nurses, Public Wards | 4.66 | 4.45 |
| Not including special nurses, Private Wards | 7.64 | 7.52 |
| Not including special nurses, Public and Private Wards | 5.36 | 5.15 |
| On special fees, Public Wards (excluding board and special nurses) | 1.39 | 1.26 |
| On special fees, Private Ward (excluding board and special nurses) | 2.29 | 2.14 |

Public Ward patients were admitted at the following weekly rates: 8 at $35.00; 6 at $31.50; 3,521 at $28.00; 1 at $25.00; 2 at $24.00; 21 at $21.00; 2 at $20.00; 1 at $17.00; 6 at $15.00; 204 at $14.00; 5 at $12.00; 36 at $10.50; 81 at less than $10.50; 326 at Free.

Private Ward patients were admitted at the following weekly rates: 84 at $35.00; 34 at $38.50; 533 at $52.50; 1,140 at $31.50; 4 at $45.00.

### *Condition of Public Ward Patients on Discharge*

| | *1943* | *1942* |
|---|---|---|
| Untreated | 0 | 0 |
| Against advice | 16 | 14 |
| Died | 27 | 11 |
| Otherwise discharged | 4,182 | 4,797 |
| Autopsies | 24% | 54% |

| Patients' Days Treatment (Reckoned from discharge payments): | | *1943* | | *1942* |
|---|---|---|---|---|
| Paying patients | 57% | 20,966½ | 46% | 16,711 |
| Part paying patients | 26% | 9,591 | 36% | 13,386 |
| Free patients | 17% | 6,349½ | 18% | 6,669 |
| Total | | 36,907 | | 36,766 |

| *1943* | *Beds Available* | *% Occupancy* | *1942* | *Beds Available* | *% Occupancy* |
|---|---|---|---|---|---|
| Public Wards | 143 | 65% | Public Wards | 143 | 64% |
| Tonsil Ward | 16 | 24% | Tonsil Ward | 16 | 33% |
| Gardner Ward | 26 | 15% | Gardner Ward | 26 | 25% |
| Total Public Wards | 185 | 54% | Total Public Wards | 185 | 55% |
| Private Ward and Rooms | 42 | 73% | Private Ward and Rooms | 42 | 71% |
| Total beds | 227 | | Total beds | 227 | |

## OUT-PATIENT DEPARTMENT

| | *New Patients* | *Revisits* | *Total Visits* |
|---|---|---|---|
| Eye | 6,114 | 34,849 | 40,963 |
| Ear | 3,539 | 17,502 | 21,041 |
| Nose and Throat | 1,774 | 8,592 | 10,366 |
| Total | 11,427 | 60,943 | 72,370 |

| | *1943* | *1942* |
|---|---|---|
| Daily average | 239 | 280 |
| Patients treated in Emergency Ward | 4,471 | 5,532 |
| Percentage of free visits reckoned from total number of free visits Massachusetts General Hospital and Massachusetts Eye and Ear Infirmary combined Out-Patient Department | 20% | 23% |

## COMPARATIVE TABLE OF ADMISSIONS

| | *Number of Patients Admitted to Wards* | *Total Patients' Days Treatment* | *Operations* | *Out-Patient Department Visits* |
|---|---|---|---|---|
| 1934...... | 7,149 | 53,520 | 6,963 | 103,678 |
| 1935...... | 7,273 | 53,917 | 6,878 | 99,680 |
| 1936...... | 7,366 | 54,639 | 7,164 | 96,784 |
| 1937...... | 7,316 | 53,855 | 7,233 | 101,403 |
| 1938...... | 7,332 | 53,547 | 7,378 | 100,465 |
| 1939...... | 7,376 | 53,908 | 7,244 | 100,861 |
| 1940...... | 7,042 | 52,685 | 6,738 | 96,350 |
| 1941...... | 6,702 | 50,769 | 6,450 | 89,678 |
| 1942...... | 6,436 | 48,438 | 6,183 | 84,370 |
| 1943 .... | 6,015 | 48,120 | 5,662 | 72,370 |

## INVENTORIES

| | *1944* | *1943* |
|---|---|---|
| Total Inventories for year................ | $18,749.92 | $17,874.92 |

# Report of the Department of Ophthalmology

During 1943 the work of the Department of Ophthalmology has been carried on much as before. Commander E. B. Dunphy, (MC), U.S.N.R., Chief of Ophthalmology, though on active duty, continued in charge of the Department until April 1, 1943, when he was transferred to foreign service. His sound, able administration has been greatly missed, and we all look forward to the time when he will be back in charge of the Department.

In 1942 the term of residency was shortened to twelve months, in the hope that by thus cooperating with the War Department there would be less difficulty in obtaining residents. The new plan has not worked out well from this standpoint; in fact, there has been more difficulty in keeping the hospital staffed with residents during 1943 than ever before. It has seemed also that the one-year residency did not provide adequate training in ophthalmology. For these reasons it was voted on November 15, 1943, to restore the term of residency to two years, and to appoint as residents women and men ineligible for military service. We are now in the transitional stage from the one to the two-year residency.

The following members of the Ophthalmological Staff are on active duty with the Armed Forces:

Edwin B. Dunphy, Commander (MC), U.S.N.R.
Virgil G. Casten, Commander (MC), U.S.N.R.
Trygve Gundersen, Major (MC), A.U.S.
Thomas Cavanaugh, Major (MC), A.U.S.
S. Forrest Martin, Lieutenant Commander (MC), U.S.N.R.
Earl S. Seale, Major (MC), A.U.S.
H. Frederick Stephens, Lieutenant Commander (MC), U.S.N.R.
Garrett L. Sullivan, Major (MC), A.U.S.
Lawrence R. Dame, Major (MC), A.U.S.
Arthur M. Morrissey, Captain (MC), A.U.S.
Sumner D. Liebman, 1st Lieutenant (MC), A.U.S.
Linus A. Sheehan, 1st Lieutenant (MC), A.U.S.

The following emeritus members of the staff have continued to give valuable help in the Out-Patient Department:

| | |
|---|---|
| Hugo B. C. Riemer, M.D. | Fred M. Spalding, M. D. |
| Edward K. Ellis, M.D. | Ralph A. Hatch, M.D. |
| Samuel J. McDonald, M.D. | Thomas H. MacDonald, M.D. |

Albert A. Carter, M.D.

The Orthoptic Department long planned by Dr. Dunphy is now in operation under the direction of Miss Alice C. Scott. Examination of the various motor anomalies are made in the Department, and orthoptic treatment carried out in selected cases. A plan has been worked out for teaching the Resident Staff the fundamentals of orthoptics. The services of the Orthoptist have been made available for a limited number of private patients of members of the active staff of the hospital.

In the Perimetry Room Dr. C. C. Johnson and Miss Scott help in the work and instruct the residents in perimetry.

Dr. Albert E. Sloane continues in charge of the Refraction Room and superintends the instruction of the residents in refraction techniques.

Dr. Mahlon T. Easton has continued his work on aniseikonia. The results of this work will be reported when sufficient data have been accumulated.

Paul A. Chandler, M.D.
*Chief of Ophthalmology, Acting*

# Report of the Refraction Room

THE refraction department continued to function as an important branch of the Eye Out-Patient Department. In 1943 10,500 patients or 26% of all persons seen in the Eye Clinic were subsequently tested for glasses.

| | | |
|---|---|---|
| Total patients refracted.................... | 10,500+ | |
| Total patients refracted by House Officers... | 3,577+ | or 34.1% |
| Total patients refracted by paid personnel... | 6,923+ | or 55.9% |

PERSONNEL:

The personnel includes at this time the entire House Officer Staff and eight paid members, six of whom are employed part time, and one full time.

*Part time:* A. E. Sloane, M.D.
E. Tiffany
F. Brucker
C. Wood
W. Emmons
A. Gulezian

*Full time:* T. Farmer
K. Watson (Secretary)

J. DiNapoli left to join the Service in February. Dr. J. C. Chisholm left in July because of illness. Dr. Arathoon left to return to Guatemala in October.

EQUIPMENT:

New types of test charts were added to our present equipment.

TEACHING:

(a) Weekly "Teaching Refraction Cases" continue. The attendance has been excellent and the discussions have been well received. The case reports are now being published under the heading of "Refraction Clinic" by the American Journal of Ophthalmology and we are receiving interesting case reports for discussion from different parts of the country.

(b) Each new House Officer with two exceptions, has been trained to refract before he has actually started his residency. The men so trained numbered five; Drs. Sannella, Pollen, Braconier, Moore, and Duclos. Dr. Sannella was forced to drop out subsequently due to illness.

(c) E. Tiffany was given a course in Refraction and will be able to act as a reserve should her services be required for that purpose.

REPORT ON CHANGES INAUGURATED IN REFRACTION ROOM:

(a) The policy of ordering cylcoplegia prior to refraction under twenty years of age instead of thirty has worked out well. This change was reported in last year's report. It is interesting to note that the Refraction Room had 16% less total visits than in 1942, whereas the Eye Clinic had 13% less total visits than in 1942. The difference of 3% less patients being seen in the Refraction Room than in the Eye Clinic is probably due to the fact that by ordering no cylcoplegia after age 20 rather than age 30, not so many return visits were necessitated.

(b) The method of assigning a quota of patients to be seen by each member of the Refraction Room staff has also worked out well. This is evident by the fact that the House Officers refracted 9% more patients in 1943 than in 1942.

(c) We welcome the new orthoptic division. Miss Scott, a certified orthoptist, is the technician. This department had its start in September of this year and is just about getting under way at this time. It is hoped that three functions will be served through this unit.

1. A diagnostic service through which a proper classification of eye muscle anomalies will be made and indications for surgery or orthoptics may be further clarified.
2. A therapeutic service for cases in which orthoptic training is indicated.
3. A teaching service whereby the House Officers will be enlightened in this field.

PROGRAM FOR 1944:

It is hoped that opportunities will be made available for further study in certain phases of refraction. These include—Orthoptics, Aphakia, Muscles, Problems in Binocularity, Keratoconus, Subnormal Vision Aids.

Acknowledgments:

The submitter wishes to express his appreciation for the fullest cooperation given him by all.

Albert E. Sloane, M.D.
*Director of Refraction Room*

# Report of the Department of Oto-Laryngology

I HAVE the honor to submit my fifth annual report of the Department of Otolaryngology.

The Massachusetts Eye and Ear Infirmary may well be proud of its staff members and graduates who are serving with honor and distinction with the Armed Forces in every field of combat.

The following members of the Department of Otolaryngology are in military service:

Calvin B. Faunce, Captain (MC), U.S.N.R.
Lyman G. Richards, Lieutenant Commander (MC), U.S.N.R.
Charles I. Johnson, Captain (MC), U.S.N.R.
Charles H. Allman, Commander (MC), U.S.N.R.
John R. Frazee, Captain (MC), A.U.S.
David P. Cordray, Lieutenant Commander (MC), U.S.N.R.
Joshua C. Drooker, Major (MC), A.U.S.
Frank Gavolio, Major (MC), A.U.S.
Joseph Lentine, Captain (MC), A.U.S.
Donald H. Macdonald, Lieutenant Commander (MC), U.S.N.R.
Walter L. McClintock, Captain (MC), A.U.S.
Robert G. Snow, Captain (MC), A.U.S.

Herman J. Sternstein, Lieutenant Commander (MC), U.S.N.R.

The operation of a hospital with a greatly reduced staff imposes a heavy burden on those who remain but this burden has been cheerfully and gladly assumed, so that the quality of the work and the efficiency of the hospital has not been impaired.

Through an unfortunate chain of circumstances, the one year residency had to be abandoned and the term of service lengthened to twenty-four months. This change insures our graduates a thorough training in Oto-laryngology.

We are most proud of our bacteriological laboratory. Under the expert guidance of Miss Mangiaracine we have a modern laboratory, employing the most scientific techniques and producing dependable results. All cultures are grown both aerobic and anaerobic. New cultural methods have revealed an alarming number of gonorrheal infections of the eye and during the summer twelve meningococcic ophthalmias were discovered. Miss O'Shaughnessy continues her faithful hard work in the department, and the addition of Miss Evans to the laboratory staff strengthens the blood work.

Since March Dr. Dorothy Wolff has been working on a research problem concerning the fenestration operation. Miss Chapman has been added as a technician on the same problem.

Dr. M. H. Lurie, in October, completed his research for the Council of National Defense. He has a new problem in view and expects to have it under way early in 1944.

At the request of the Surgeon General of the Army the Massachusetts Eye and Ear Infirmary, in cooperation with the Harvard Medical School, the Harvard Dental School, and The Massachusetts General Hospital, gave four courses of six weeks each in plastic surgery to army medical and dental officers. The brunt of this instruction was carried by Doctors Kazanjian, Holmes and Richardson, who devoted almost their entire time from February 11 to June 25 with these courses.

We regret the premature loss of Doctors Ballenger, Goldcamp, McKeigue and Ho, as they were called to military service before completion of their residency.

The Bronchoscopic Service is now under the supervision of Dr. John R. Richardson. The number of difficult and interesting foreign body cases reaching the hospital is increasing and the results of the operative solution of these difficult cases is gratifying.

Dr. Philip Meltzer continues his interest in the surgical treatment of otosclerosis. Much of his time is devoted to a carefully laid research plan of investigation of the fenestration operation. His operative cases have greatly increased and the results are highly encouraging.

The tumor clinic under Doctors Herman and Ernlund functions smoothly. The closing of the Huntington Hospital increased the number of patients coming to our clinic. The close cooperation with the Department of Radiology is appreciated. The various cancer campaigns are bearing fruit. Increasing numbers of patients with laryngeal cancer are being seen. Our clinical experience with laryngeal cancer has crystalized and we have established fairly definite criteria as to treatment. Our series of cases in whom the total removal of the larynx was necessary now numbers sixty-four. Fifteen of these were done during the past year. The rehabilitation of patients without a larynx presents an interesting problem. Through a grant from The Ladies' Visiting Committee and through the generosity of Mrs. Richard Cary Curtis, a class in the development of speech after laryngectomy is held each week with eight to ten patients in attendance. Mr. Willard White, who has successfully developed a voice after the removal of his larynx, is giving the instruction.

The work of the Winthrop Foundation, under the supervision of Dr. Ruth Guilder, has brought out many scientific and sociological facts concerning deafness. The rehabilitation of young children afflicted with deafness is only one, but a very appealing one, of the many problems being solved. We expect, through the continued generosity of Major Winthrop who wishes to permanently endow this study, to intensify the research on the medical and surgical relief of deafness.

The Wednesday Clinical Meetings continue to be well attended. The frank open discussion of the cases and their treatment promotes better medicine and makes better physicians. The Friday night meetings at the Medical School continue as a "must" for the residents and a privilege for the staff.

The staff continues to be in demand as guest speakers at Medical Meetings.

The American Academy of Ophthalmology and Otolaryngology was the only National Society that held a meeting during the past year. On its faculty of instructors the Massachusetts Eye and Ear Infirmary was represented by Doctors H. P. Mosher, C. T. Porter, P. E. Meltzer, Werner Mueller, V. H. Kazanjian and L. A. Schall.

In an annual report reviewing the activities of a year that is past, it should be permissible to view the future. In our service to humanity the Massachusetts Eye and Ear Infirmary has had a glorious past, but to us falls the task of making the future merit our heritage. Our post-war planning should include:

(1) Facilities for private patients should be at least tripled.

The need for accommodation of more private patients has been evident for the past twenty years. It is not a war or recent need. The Infirmary of the future should be able to provide for the care of the private patients of its entire staff. The staff spends much of their time at the Infirmary taking care of service cases. They should be able to have their private cases here as well.

(2) A Building Fund, no matter how small, should be set up.

(3) Scholarships should be available for special training. Our graduates of the future should not only be highly trained in Oto-laryngology but should be encouraged to extend their training to one of the related fields. After a residency a year, through a scholarship, spent in bacteriology, in pathology, in neuro-surgery, in anatomy, or in allergy would raise our standard still higher so that the future of the Infirmary would be worthy of its past.

LeRoy A. Schall, M.D.
*Chief of Otology and Laryngology*

# Report of the Pathological Laboratory

The maintenance of the usual standard of the laboratory during these war days has been possible in spite of changing personnel and delays in obtaining certain critical supplies, the latter problem having diminished greatly. Certain improvements in the routine technic have been established. The continued use of the hot celloidin technic, made possible by the installation of the electric incubator, has decreased the embedding time, the reduction being from twenty-one to six days for eyes and from six to three days for small pieces. More time is saved when room temperature and humidity are at an optimum, by hardening the blocks in chloroform vapor. The preliminary diagnosis is entered on the patient's hospital record as soon as it has been made but is not regarded as final until it is stamped "proof read."

In the interest of getting accurate biopsy diagnoses without delay, arrangements have been made through the suggestion and generous cooperation of Dr. Benjamin Castleman to send small pieces to the Pathology Laboratory of the Massachusetts General Hospital. There the specimens are put into the automatic paraffin embedding machine so that the diagnoses can be made within twenty-four hours. This technic requires the routine use of Zenkers solution as a fixative. As this is unsatisfactory for the eyes themselves, it is necessary to have available formalin fixative as well. To prevent improper use of the fixatives, care is taken to repeat the instructions at frequent intervals. In the three months that this technic has been used it has worked quite satisfactorily.

There has been a total of 267 specimens diagnosed, forty-seven of which were malignant neoplasms. The unusual tumors included five retinoblastomas, one orbital rhabdomyosarcoma and twenty-two malignant melanomata. The specimens of unusual interest were one Coates disease, two epithelizations of the anterior chamber, one fibroplasia from an infant born prematurely and one sympathetic uveitis. There has been an increase in the number of enucleations of eyes injured in industry. One new type of industrial accident is that caused by flying spicules of fiber-glass.

These strands of fiber-glass, measuring only 1/5000 of an inch in diameter, travel at a speed of two miles per minute when being drawn from molten glass. Accidents in which strands do break are frequent, though the fibers are flexible enough to permit weaving into cloth. At this speed pieces thrown directly toward the eye pierce it just as a straw blown with sufficient force has been known to enter steel. If these glass fibers penetrate sufficiently far into the eye they produce cataracts. In the laboratory this type of accident has been reproduced by means of a rather unique air-rifle; a hypodermic needle with the point removed is used as the barrel and compressed carbon dioxide gas furnishes the explosive power. By this method glass fibers were literally shot into the anesthetized eyes of cats. Methods and instruments were devised to remove such strands and have been used successfully on these cats with no damaging effects, proving that the method is safe for removal of glass fibers from human eyes.

It has been necessary to curtail several phases of the laboratory work, such as instruction and investigation of pathologic problems in which continuity of study is not necessary. Hence, the research work of the laboratory this year has been limited to our most important study, retrolental fibroplasia of the prematurely born infant. To discontinue this work for a time would be detrimental as on renewal much repetition would be necessary to re-establish continuity. There are at present thirty-one cases under observation and there is an average of one new patient a month. As the incident of this eye anomaly is approximating twelve percent of premature infants whose birth weight is less than three and a half pounds, the study is indeed one of first importance. It is hoped that further study may lead to the ultimate prevention of the disease as well as to the benefit of already afflicted infants. Chemical studies pertaining to this problem are being carried on through the cooperation of Dr. Burnham Walker, at the Boston University School of Medicine and Mr. Richard Patton, whose laboratory facilities are supplied by Haverford College.

Theodore L. Terry, M.D.  
*Pathologist*

# Report of the X-Ray Department

There has been a further decrease in the number of patients examined in the X-Ray Department this last year as compared with preceding years.

There have been 500 fewer thymus examinations because of the lowering of the age from 10 to 7 years in routine x-ray examinations of children before operation.

The decrease in the number of sinus and mastoid examinations has been small. The number of examinations for foreign body in the eye has shown an alarming upward trend.

The department has suffered the loss of two of its personnel during the year; Miss Marie Hiller and Miss Katherine Safford who were in the department thirteen and twelve years respectively.

Tabulation of cases is as follows:

| | | |
|---|---|---|
| Thymus | 828 | |
| Mastoids | 1,077 | |
| Sinuses | 1,885 | |
| Teeth | 276 | |
| Foreign Body eye | 197 | |
| Chest | 634 | |
| Esophagus | 206 | |
| Skull | 117 | |
| Jaws | 96 | |
| Nose | 111 | |
| Treatments | 286 | |
| Sella turcia | 3 | |
| Lipiodol injections | 27 | |
| Cervical spine | 109 | |
| Miscellaneous | 40 | |
| Petrous pyramids | 26 | |
| Optic canal | 5 | |
| Long bones | 19 | |
| Abdomen | 29 | |
| Number of examinations | 5,971 | |
| Number of patients | 5,328 | |
| Bouginage | | |
| Number of treatments | 440 | |
| Number of patients | 84 | |
| Total number of examinations for year | | 6,411 |
| Total number of patients for year | | 5,412 |

A. S. Macmillan, M.D.
*Roentgenologist*

# Report of the Nursing Department

| *Census of Personnel Prior to 1942* | | *Census of Personnel December 31, 1943* |
|---|---|---|
| 1 | Assistant Superintendent of Nurses | 1 |
| 1 | Supervisor | 1 |
| 1 | Instructor | 1 |
| 1 | Night Supervisor | 1 |
| 1 | Assistant Night Supervisor | 1 |
| 1 | Operating Room Supervisor | 1 |
| 5 | Operating Room Head Nurses | 5 |
| 1 | Chief Nurse Anesthetist | 1 |
| 4 | Assistant Nurse Anesthetists | 2 |
| 6 | Ward Head Nurses | 5 |
| 5 | Assistant Head Nurses on Wards | 4 |
| 3 | Out-Patient Head Nurses | 3 |
| 31 | General Duty Graduates, 9 days, 6 evenings, 6 nights | 11 |
| 4 | Post Graduate Student Nurses | 0 |
| 12 | Affiliating Student Nurses | 12 |
| 67 | | 49 |
| 21 | Attendants | 11 |
| 16 | Orderlies, 13 days—3 nights | 6 |
| Total......104 | | Total......66 |

The census of the nursing personnel as of December 31st, although showing a shortage of 38, does not give a true picture of the shortages with which it has been necessary for Miss Tarbox to contend. The staff is more stable in winter, partly because security is more essential during the winter months. Normally there are fewer new positions available, because the year in the Nursing Department tends to follow the school year of September through June. The lowest census is found from early summer through late fall; the season for vacations, leaves of absence, and changes of positions.

During the year the average number of orderlies has been 9 of the 16 authorized, 13 of the 21 attendants authorized, 16 of the 21 floor duty nurses authorized: a 34% shortage of the paid workers who care for the patients at the bedside. The affiliating students, augmented by 2 postgraduate nurses, have remained at the usual number of 13. The turnover of the nursing personnel has been

37%. Only 16 of the 43 graduates who were here one year ago are here today. Four have gone into government nursing service, several have married and gone elsewhere. Occasionally a nurse has left to give stability to a home disrupted by war. Then, too, the shorter hours of duty in industry and blood banks naturally lure the nurses away from the difficulties of institutional positions.

Miss Henrietta Olsen, after seventeen years on night duty, first on the Private Ward and then as night supervisor, resigned the latter position, to take the position of Executive Assistant in the Infirmary. Miss Mary Hayden began a well-deserved leave of absence after twenty years of hard and conscientious work as head nurse in the Ear Clinic. Miss Bernice Dixon, after fourteen years of excellent service as an attendant, resigned to join the WACS. It is an interesting fact that of the large number of nurses who left the Infirmary this year only two have gone to other hospitals. Miss Mildred Fanning, who had worked on the Private Floor for the past nine years, resigned in October to take charge of the Emergency Ward in her own hospital, the Lawrence General, and to be nearer her home. Miss Rose Scalora, who was the head nurse in Gardner Ward for one year and a half, went to The Massachusetts General Hospital in November.

It goes without saying that every person within the Department has carried a load which once would have seemed impossible. Work to be done was often listed according to its importance. Some of the less important was never done. In times such as these, procedures must be simplified and adequate equipment, if obtainable, must be supplied. Necessity brings unthought of adjustments. For many weeks the lack of a night nurse on the Tonsil Ward necessitated the evacuation of those patients to other wards for care during the night. This has not only brought the additional work of transfer but has added to the census of patients to be cared for by the night nurses on the other wards.

The replacement nurses who came in from the private duty group saved us from a shortage which might have been dangerous. An average of five were on duty during the last six months of the year. The part-time contribution of many nurses was patched together to make a few wholes.

The shortage of auxiliary personnel has added to the work of those in the Nursing Department. Very tangible help has been given by a group that includes six high school girls and one boy. They came every weekday night from 4 until 7 and worked a full day on either Saturday or Sunday. The enthusiasm and dependability of this little group has been very heartening.

There were many days when the ward situation would have been almost intolerable had it not been for the assistance of many volunteer workers. The largest group is the Red Cross Volunteer Nurses' Aides. There have been 83 different Aides at work in the Infirmary during the year. They have contributed 1900 hours of service. There have been many who volunteered as individuals. One of our substantial citizens has given the equivalent of 8 weeks of 48 hours each. One man has worked from 7 to 11 p.m. 3 evenings a week since last July. Four relatives of patients came because they saw the need. Red Cross Ambulance Drivers from a neighboring town provided three nights of care for a baby in the humidified room in Gardner Ward. For five months of the year Red Cross Gray Ladies did the endless errands.

The "good neighbor policy" has been practiced by the Massachusetts Eye and Ear Infirmary and The Massachusetts General Hospital. The empty rooms in the nurses' residence of the Infirmary were made available to the General for the housing of its enlarged school. On November 29, 1943, the large school of the General made it possible to provide a student nurse for the Public Ear, Nose and Throat Operating Room. The nurses' dining room of the General was made available to the night nurses of the Infirmary when the shortage of personnel made it advisable to discontinue the serving of the midnight meal.

Many a time last year Miss Tarbox was sure that she had contended with fewer difficulties in Bordeaux during World War I than she was contending with in Boston during World War II. She is very appreciative of all who have faced their own particular difficulties with courage.

Miss Tarbox's own courage has been dauntless.

Sally Johnson, R.N.
*Superintendent of Nurses*

# Report of the Dietary Department

On January 7, 1943 all employees except those of the Dietary Department were given a cash allowance for meals. June 14, 1943 the doctors were transferred to the East Pay Cafeteria at The Massachusetts General Hospital for their meals.

December 15, 1943 the Night people were transferred to The Massachusetts General Hospital Nurses' Dining Room for their night supper.

The Ladies' Visiting Committee kindly donated fruit at Christmas for the patients and personnel.

Mrs. Isabel Nolan resigned from the position as head dietitian in August and was replaced by Miss Marian Ashman. Miss Elizabeth Cavicchi was Therapeutic Dietitian until November when Miss June Thompson replaced her.

We appreciate the volunteer work done by the Red Cross Dietitian Aides. They have been very helpful during the period of labor shortage.

Student dietitians from The Massachusetts General Hospital class each received two and a half weeks of instruction here in therapeutic and administrative work during the year.

A total of 5,735 special diets were served during the year. These covered 13 different types and averaged 16 diets a day.

Marian Ashman
*Dietitian*

# Report of the Medical Social Service Department

The Social Service Department has been affected in several ways this past year by the war situation. The quality and consistency of services have been influenced due to the changing personnel both of our own staff and also of the medical and nursing personnel. Frequent changes have made necessary repeated interpretation of our services and responsibilities. Although the number of patients served was not as great as in 1942, there has been pressure within the department to keep essential problems handled with little opportunity to expand or improve present services. In spite of the complications a total of 2186 patients received some type of service from the department and, in addition, 2470 patients were kept on follow-up programs to see that clinic appointments were kept.

The 2186 patients receiving service were divided among the Eye, Ear, Nose and Throat Services as follows:

| | | |
|---|---|---|
| A. Eye Service | | 1,443 |
| 1. From clinic and wards | 988 | |
| 2. For assistance with the purchase of glasses | 455 | |
| B. Ear, Nose and Throat Services | | 743 |
| 1. From clinic and wards (including Tumor Clinic) | 553 | |
| 2. From the Winthrop Foundation | 190 | |

### *Eye Service*

There has been no decided change in the type of problems presented on the Eye Service. The request for financial assistance with glasses has been further reduced this year, which has allowed the social workers to give more attention to the serious social and emotional problems related to the medical and surgical treatment of eye conditions. Fear of blindness and apprehension in regard to surgery, are constant problems with patients in an Eye Clinic. Anxiety often extends beyond the patient to his family. Thus the social worker has responsibilities beyond the patient's own problem in many instances.

During the year a law requiring the registration of all blind persons within thirty days after blindness has been determined was passed in Massachusetts. In compliance with the law, 96 patients have been reported to the Massachusetts Division of the Blind. In addition 3 patients have been reported to departments for the blind in other states.

### *Glaucoma*

In spite of difficulties in transportation, longer clinic waits, and complications in regard to securing certain medications, the glaucoma patients have been faithful in coming for treatment. The total number of clinic visits made by these patients was 4,722. The number of new glaucoma patients registered in 1943 was 131. The total number of glaucoma patients on the follow-up was 922,—130 less than in 1942. Out of the 922 on follow-up, 116 patients presented problems requiring medical social treatment. The social worker for the glaucoma patients has numerous administrative responsibilities in connection with her functioning as a clinic executive, which limits the time available for dealing with social problems. Volunteers have been used to help wherever possible and their services are greatly appreciated. Numerous changes in volunteers have been unavoidable but regrettable. We are particularly grateful to those who have given a consistent period of time over a range of months. The Red Cross Motor Corps deserves our gratitude for its help in transporting the blind and elderly patients.

### *Follow-up*

In November the Social Service Advisory Committee, following consultation with Dr. Paul Chandler, Acting Chief of Ophthalmology, gave approval for Social Service to discontinue the routine follow-up program in the Eye Clinic. For a number of years children with myopia, hyperopia and strabismus have been followed to see that clinic appointments were kept regularly. With the resignation of the follow-up worker in September, this practice was reviewed and it seemed that the contribution of the follow-up program to prevention of blindness was too slight to warrant carrying it on during these days of pressure on both the physicians and social workers. It should be emphasized, however, that any individual child may be referred by the physicians or others for follow-up if the patient seems unable or unwilling to carry out the recommended treatment. The department will not, however, follow the children routinely on the basis of the above diagnoses. The follow-up program for glaucoma patients remains unchanged.

The total number of patients on the Eye follow-up (exclusive of glaucoma) in 1943, was 1154.

### *Ear Service*

The problems from the Ear Clinic from a social point of view, continue to be ones of rehabilitation for the hard of hearing patients; educational planning for the deaf child; emotional problems and need for adjustment to the handicap of a hearing loss with both the children and adults. The preventive aspect of deafness is carried by the follow-up program for the children with acute and chronically discharging ears. There has been a review of the practice of reporting hearing losses in children to schools, with the result that the number of children being reported is reduced. However, all children are reported who are advised to have lip reading or who are in need of any particular attention by the teachers. In the adult group, it has been of interest to note that patients who may have had hearing aids recommended some time ago, but who were financially unable to purchase them, have returned to the clinic this year for further advice on aids as their financial status had improved to the extent that they were ready to purchase an aid.

### *Follow-up*

The Ear Service follow-up has been reviewed with Dr. LeRoy Schall, Chief of Otolaryngology, and we are being much more selective than previously about the patients who are followed. The children with ears in need of medical treatment, who break appointments, are followed. Children with hearing losses of 20%, or more, in both ears, are followed for a re-check of their hearing test in one year. Follow-up beyond that depends upon results at that time. The total number of children on the follow-up this year was 510.

### *Winthrop Foundation*

Referrals to Social Service from the Winthrop Foundation for assistance in the rehabilitation of the hard of hearing children and adults has necessitated the part time help of one worker three days per week, in addition to one worker giving full time to the Foundation patients. There were 190 patients referred from the Foundation for service. Because of the nature of the problems involved in adjusting the patients to their handicap, and the time required to carry out rehabilitation, the social work is of a long time nature. In the children's cases, many require months of active social interest. Results have been gratifying in regard to the interest being aroused in school authorities and others interested in handicapped children by the interpretation of the services offered for the hard of hearing child at the Infirmary. Interest is found not only in Massachusetts but an increasing number of children from New Hampshire are being referred for examination and treatment.

Referrals for hearing aids from the Foundation have amounted to 30 for children, and 46 for adults; 17 aids have been purchased for the children and 18 for adults, while an additional 5 for children and 2 for adults are in process of being arranged.

There have been 14 profoundly deaf children referred for admissions to schools for the deaf. There have also been eleven children in the pre-school group referred for the services of the Sarah Fuller Home for Little Deaf Children. Seven of the children are having instruction by their home teachers and the other four live too far from Boston for the services to be made available.

The interest in the country at large in the problems of rehabilitation makes the work with the hard of hearing child and young adult of particular significance at this time. Employment of the handicapped is a small problem now, but the emotional reaction to loss of hearing is a problem with many patients in spite of their ability to work.

### *Nose and Throat Clinic*

The 60 patients referred from Nose and Throat Clinic have been largely diagnoses of malignancy. However, there have been 10 patients with tuberculosis, 9 of whom had tuberculosis of the larynx. This was an increase of 6 tubercular patients over last year. The Tumor Clinic worker is hampered in providing adequate nursing home care for terminal patients both because of the shortage of nursing homes available, and the increased expense of nursing home care.

### *Teaching Programs*

The department has had two Master Students from the Simmons College School of Social Work for field work experience during the past year and one student from the Boston University School of Social Work for special instruction on social problems found in the Eye Clinic. This student was studying social work as part of her preparation to be a Home Teacher of the Blind, and wished to learn something of the social and psychological reactions of the newly blind, as well as to increase her knowledge in regard to causes of blindness.

The Project for Master Students from the Simmons College School of Social Work on the social implications of eye and ear conditions was held again last spring at the Infirmary, for a three day period. In spite of heavy schedules, Dr. Carl C. Johnson, Dr. Samuel T. Clarke, Dr. Albert E. Sloane, Dr. Moses Lurie, Dr. Ruth P. Guilder, Miss Eileen Gilmartin from the Training School Office and Miss Janet L. Gorton from the Division of the Blind, participated in the program, with members of the Social Service staff.

The lecture course for the student nurses continues as last year, one class period alternating months for eye and ear conditions respectively.

### *Staff Education*

Dr. Carl C. Johnson gave three lectures to the staff on glaucoma this winter, and Dr. Albert E. Sloane gave three lectures on refraction. These lectures were very helpful in increasing the medical knowledge of the social workers, and in turn, making their work with patients more effective.

Four workers have been attending evening seminars to gain additional knowledge about techniques of their work. Two workers attended institutes at the Massachusetts Conference of Social Work in November 1943, and one worker attended the Regional

Conference of Social Work in New York in January 1943.

The Ladies' Visiting Committee has made the main Social Service office more attractive by a gift of wall hangings. They have also continued subscriptions to professional magazines for the department, which are greatly appreciated.

Volunteers supplied through The Massachusetts General Hospital Volunteer Office have contributed a total of 1442 hours to the department this year.

Appreciation is expressed to members of the Social Service Advisory Committee for their continued interest and support.

*Personnel*

| | |
|---|---|
| *Resignations* | Miss Lucille Radlo, February 1, 1943 |
| | Mrs. Margaret Preble, September 30, 1943 |
| | Miss Dorothy Sutherland, December 24, 1943 |
| *Appointments* | Miss Madeline Shipsey, M.S. Simmons College School of Social Work 1943,—May 1, 1943 |
| | Miss Maxine Miller, M.S. Simmons College School of Social Work 1943,—May 15, 1943 |

*Financial*

The medical relief for 1943 has increased considerably due largely to increased expenditures for hearing aids. A brief report of expenses is listed below:

| | | |
|---|---|---|
| Total relief expenditures | | $5,054.31 |
| Glasses and prostheses | $1,321.79 | |
| Nursing Home care | 51.00 | |
| Artificial larynges | 64.18 | |
| Dental care | 122.00 | |
| Transportation of patients | 151.88 | |
| Miscellaneous | 27.94 | |
| Hearing Aids and Adjustments | 3,228.44 | |
| Christmas expenditures | 87.08 | 5,054.31 |
| Amount refunded by patients | 1,094.80 | |
| Amount raised from other agencies and individuals | 1,647.95 | |
| Contributions for Christmas | 87.08 | |
| Paid from Social Service Funds | 2,224.48 | |

Eunice W. Wilson
*Director*

# Report of the Occupational Therapy Department

The outstanding event in this department has been the close concern with the growth of the development of speech by means of oesophageal voice in patients who have had complete removal of the larynx. This is a long, tedious procedure involving the expenditure of much time and patience on the part of all concerned. The therapist has always been instrumental in helping the patients learn the use of the artificial larynx while in the hospital; however a different picture is presented when it is realized that if they will practice sufficiently these patients *can* and *will* talk again without the need of any device. Of invaluable inspiration to all, both before and directly following operation, is the aid of former patient, Mr. Willard White, who has so successfully mastered the technique that he has become available to visit and instruct these patients in weekly classes. This department has done all the follow-up in recent months incidental to keeping in close touch with 13 of these patients in order to encourage them in continuing the practice of this technique.

Students from the Boston School of Occupational Therapy have been coming to the Infirmary for training of six weeks. Methods of helping the newly blind to better adjust themselves to their changed status are learned, such as development of the latent sense of touch, the preliminaries of Braille, and the essentials of treatment used for the many conditions here. It is to be hoped that the scope of the teaching program may be broadened considerably in the near future.

Two Volunteer training courses sponsored by the Massachusetts Association for Occupational Therapy have been given during the year to prepare Occupational Therapy Volunteer Assistants, better known as The "OTVA's", who will be of invaluable assistance during the extreme shortage of registered Therapists. Mrs. Natalia Klotz and Mrs. Katherine White, two of the seven volunteers who were with us throughout the year, represented the Department in the pageant on May 24 "Volunteers for Victory" which depicted the use of all of the various types of voluntary service in this and the General Hospital. Part of the routine work of the Patients' Library has been turned over to and ably carried on by these specially trained volunteers. It is to be hoped that more of the details of the book rounds may be adequately covered by such assistants under the supervision of this department. The need for housing the complete library in one place is an urgent one.

It has been most gratifying to find that a number of the eye patients with double eye-ties, (both eyes completely covered) have been extremely eager to knit scarves and sweaters for the boys and girls in the Service. This shows a splendid spirit and it is excellent psychology for them to feel that they are able to do something for someone else, despite the fact they are unable to do much for themselves during the period of their hospitalization. The material for this project has been obtained through Bundles for America.

The activities in the Nursery consisted of general supervision of all patients by the assistant therapist, Miss Linda Hall. Special work was done in many cases to help children in the adjustment to blindness with attention to the maintenance of the educational or school program. This was of special value with one child in particular who is now a student at Perkins Institution.

Decorations for the holidays having been curtailed, the department scurried around for ideas to create the festive atmosphere due all children even in war time. The idea of painting on the glass cubicles with show card color was discussed with Dr. Burton E. Lovesey who started immediately to design a fascinating series of colorful scenes. This project took many hours of his time and was so beautifully executed that it was the delight of all.

## STATISTICAL REPORT

| | *1943* | *1942* |
|---|---|---|
| Total patients for the year | 2,933 | 2,955 |
| Occupational Therapy | 1,051 | 933 |
| Bibliotherapy | 1,460 | 1,517 |
| Game Therapy | 422 | 505 |
| Total treatments for the year | 12,879 | 13,232 |
| Occupational Therapy | 6,559 | 6,143 |
| Bibliotherapy | 4,495 | 4,685 |
| Game Therapy | 1,825 | 2,404 |
| Daily average number of patients | 57. | 63.2 |
| Total volumes circulated | 5,794 | 5,571 |
| Number of therapists in department | 2 | 2 |

## VOLUNTEERS

| | | |
|---|---|---|
| Number of Occupational Therapy Volunteer Assistants | 7 | 3 |
| Total number of volunteers | 82 | 91 |
| Number of volunteer hours | 1,546 | 2,676½ |

Helen K. Wade, O.T.R.
*Director, Occupational Therapy*

# Report of the Howe Laboratory of Ophthalmology

The Howe Laboratory continues to be concerned chiefly with investigations for the Armed Forces. The Laboratory personnel has increased to the full extent of the present space limitations and now includes both civilian and military investigators. Any detailed report of the investigations is not permissible at the present time but the problems may be stated in general terms as follows.

Under the auspices of the Navy, Dr. Ludvigh and his group have been engaged in problems of physical and physiologic optics, acting in both a consultative and developmental capacity. Several types of training apparatus developed in the Laboratory have been adopted by the Services and placed in production, the Howe group being retained in an advisory capacity.*

An extensive study sponsored by the Office of Scientific Research and Development is being conducted by Doctors Kinsey, Grant and Cogan, in conjunction with several other ophthalmic research groups, to determine the effects of war gases on the eyes and the means by which they may be most effectively treated. It is hoped that the results of these studies may be made public after the War. Some incidental observations are, however, to be reported shortly in Science.

While the non-confidential activities have actually occupied a secondary position in the affairs of the Laboratory during the past year, they may be noted here more fully. At the request of the Maritime Commission, Doctors Kinsey and Cogan, together

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*A letter has just been received by the Howe Laboratory from Rear Admiral W. H. P. Blandy, Chief of the Bureau of Ordnance, commenting on the task of developing new equipment for the demands of modern warfare.
He states, "The degree of success achieved is due to the splendid efforts put forth by you and other development and manufacturing organizations who have participated in the program of the Bureau of Ordnance. I wish to take this means of thanking the members of your organization for their endeavors, loyalty, and whole-hearted cooperation."

with Doctor Philip Drinker of the School of Public Health, determined the amount of exposure to welding arcs that could be tolerated without deleterious results to the eyes. The request was prompted by the fact that "arc flash keratitis" has been one of the more frequent casualties in the ship building industry. Threshold exposures were determined in animals and in human volunteers and a method presented for the measurement of the exposure under practical conditions It was also found that the practice of treating the keratitis with infra red therapy was ineffective. The results of these investigations have been recently reported in the Journal of the American Medical Association.

The problem of "color training" is receiving wide-spread attention owing to the fact that increasing numbers of applicants for the Armed Forces, turned down on the basis of color blindness, have subsequently been "trained" and passed the tests. To determine whether the process actually improves the color perception of the individuals or merely familiarizes the trainees with the tests, Doctors Martin and Ludvigh, in conjunction with Doctor J. R. and Mrs. C. B. Gallagher of Phillips Academy, have undertaken a pre- and post-training analysis of color perception in color defective individuals. The results should determine whether color tests now employed are reliable indices on which to select or turn down candidates.

Doctors Grant and Cogan are currently investigating an industrial solvent that has given rise to severe corneal ulcers. The solvent in question is used in the plastics industry and owes its toxicity to a contaminant which has not been isolated as yet.

A paper by Doctors Gundersen and Liebman dealing with the toxic effects of various local anesthetics on the regenerating epithelium is now in press. It is based on the authors' experimental studies carried out in the Laboratory before the War.

Although most of the work in the Laboratory has been necessarily directed toward immediately practical ends, some vestige of the former research in the basic sciences continues to make itself felt in the Laboratory. Doctors Kinsey and Grant's studies on the blood aqueous constituents, which were noted in last year's report, have given rise to a lively discussion in the literature on the mechanism of intraocular fluid formation. An additional report by the above authors is in preparation.

Dr. Cogan and E. Hirsch, continued the study of corneal permeability. The recent results, which are to be published shortly, indicate that the epithelium and endothelium are permeable to substances having a fat soluble phase, while the stroma is permeable only to substances having a water soluble phase. This has obvious application to the local administration of therapeutics.

In order that the Laboratory should continue its important function in consultation and assemblage of clinical material, despite the extended research program, it has been necessary to construct a small room in the Laboratory for the examination of patients. The arrangement has proved entirely satisfactory.

David G. Cogan, M.D.
*Director*

# Report of the Lucien Howe Library of Ophthalmology

Although the absence of so many men in the Armed Forces was reflected in the somewhat smaller yearly attendance in the library, nevertheless it is gratifying to record that loans of bound volumes and pamphlets increased, as did also loans through the Inter-library loan system.

The task of placing book plates in all the bound volumes was completed during the year, thereby adding much to the character of the library.

The smaller number of volumes added during the year may be accounted for by the fact that no periodicals from Axis-dominated countries are reaching us.

Following are the statistics for the year:—

| | *1943* | *1942* |
|---|---|---|
| Number of periodical volumes | 1,987 | 1,965 |
| Number of other volumes | 1,016 | 991 |
| Number of pamphlets | 2,566 | 2,547 |
| Number of bound volumes and pamphlets loaned | 1,165 | 1,150 |
| Number of inter-library loans | 546 | 493 |
| Total attendance of readers | 5,485 | 6,234 |

Ada Messenger
*Librarian*

# Scientific Papers Published or Read by the Staff

January 1, 1943 to January 1, 1944

## DEPARTMENT OF OPHTHALMOLOGY

"Present Status of Eye Exercises for Improving Visual Functions." By Walter B. Lancaster, M.D. Read before the American Academy of Ophthalmology in October, 1943. To be published in the *Archives of Ophthalmology.*

"The Duties and Training of an Orthoptic Technician." By Walter B. Lancaster, M.D. Read before the Annual Meeting of the American Association of Orthroptic Technicians in October 1943. To be published in the *American Journal of Ophthalmology.*

"The Pathetic Cases of Blindness with Normal Visual Acuity." By Walter B. Lancaster, M.D. Read before the St. Louis Society for Prevention of Blindness on the occasion of presenting the Leslie Dana Medal to Walter B. Lancaster, M.D., October, 1943.

Allen Greenwood Obituary. By Walter B. Lancaster, M.D. Published in the Transactions of the American Ophthalmological Society for 1943.

Three Lectures on Optics. By Walter B. Lancaster, M.D. Instruction courses of American Academy of Ophthalmology and Oto-Laryngology, October, 1943.

The DeSchweinitz Lecture on "The Story of Asthenopia." By Walter B. Lancaster, M.D. *Archives of Ophthalmology,* Vol. 30, p. 167.

"Terminology in Ocular Motility and Allied Subjects." By Walter B. Lancaster, M.D. *American Journal of Ophthalmology* 1943. Vol. 26, pp. 122-132. Reprinted in *Optical Journal* and *Review of Optometry* June 1 and June 15, 1943.

Allen Greenwood Obituary. By Walter B. Lancaster, M.D. *Archives of Ophthalmology,* Vol. 29, p. 303.

W. Holbrook Lowell Obituary. By Walter B. Lancaster, M.D. *Archives of Ophthalmology,* Vol. 29, p. 849.

"The Medical Profession's Responsibility in the Prevention of Blindness." By Hugo B. C. Riemer, M.D. *New England Journal of Medicine,* Vol. 229, No. 21, November 18, 1943.

"Ocular Tuberculosis." By Frederick H. Verhoeff, M.D. *Bulletin of the New England Medical Center,* V: 199-203, October 1943.

"Some Clinical Applications of Fluorescence in Relation to Melanotic Pigment." By Theodore L. Terry, M.D. *American Journal of Ophthalmology,* Vol. 26, No. 5, May, 1943.

"Metastatic Panophthalmitis with Recovery." By Hugh C. Donahue, M.D. *American Journal of Ophthalmology,* March, 1943.

"Corneal Transplantation." By Brendan D. Leahey, M.D. *New England Journal of Medicine,* Vol. 2-28,—387-389, March 25, 1943.

"A Brief Method of Testing Color Vision with Pseudo-Isochromatic Plates." By Albert E. Sloane, M.D., J. Roswell Gallagher, M.D., Constance D. Gallagher. *American Journal of Ophthalmology,* Vol. 26, No. 2, February, 1943.

"Refraction Clinic." Discussion of Cases Presented to Residents in Ophthalmology at the Massachusetts Eye and Ear Infirmary. By Albert E. Sloane, M.D., Director of Refraction Room. *American Journal of Ophthalmology,* Vol. 26, Nos. 1, 4, 6, and 8.

"A Summary of Findings at the Eye Examinations of Prepaartory School Boys." By Albert E. Sloane, M.D. and J. Roswell Gallagher, M.D. *American Journal of Ophthalmology,* Vol. 26, No. 10, October, 1943.

## DEPARTMENT OF OTOLARYNGOLOGY

"Cancer of the Larynx." By LeRoy A. Schall, M.D. Address before the Massachusetts Medical Society, Boston, Massachusetts, May 26, 1943. *New England Journal of Medicine,* Vol. 229, pp. 574-576, October 7, 1943.

"Cancer of the Upper Respiratory Tract." By LeRoy A. Schall, M.D. Address before the Latrobe Academy of Medicine, Latrobe, Pennsylvania, June 22, 1943.

"Cancer of the Nose and Sinuses." By LeRoy A. Schall, M.D. Address before the Virginia Society of Ophthalmology and Otolaryngology-Post-Graduate Course in Ophthalmology and Otolaryngology, Richmond, Virginia, December 7, 1943.

"Cancer of the Nasopharynx." By LeRoy A. Schall, M.D. Address before the Virginia Society of Ophthalmology and Otolaryngology-Post-Graduate Course in Ophthalmology and Otolaryngology, Richmond, Virginia, December 7, 1943.

"War and Deafness." By M. H. Lurie, M.D. *The Connecticut State Medical Journal,* November, 1943, Vol. VII, No. 11, p. 763.

"Treatment of Extensive Loss of the Mandible and its Surrounding Tissues." By V. H. Kazanjian, D.M.D., M.D. *Journal of Oral Surgery,* Vol. 1, pp. 30-47, January, 1943.

"Skeletal Fixation in the Treatment of Fractures of the Mandible." A Review by Carl W. Waldron, M.D., D.D.S., with the collaboration of V. H. Kazanjian, M.D., D.M.D., and Douglas B. Parker, M.D., D.D.S. *Journal of Oral Surgery,* Vol. 1, pp. 59-83, January, 1943.

"Plastic Surgery." By V. H. Kazanjian, D.M.D., M.D. *Bulletin American College of Surgeons,* June, 1943.

"Medical Progress: Treatment of Sinusitis." By Robert L. Goodale, M.D. *New England Journal of Medicine,* October 14, 1943.

"Malformation, Involving External, Middle and Internal Ear, with Otosclerotic Focus." By George Kelemen, M.D. *Archives of Oto-Laryngology* Vol. 37, pp. 193-198, February, 1943.

"Sinusitis and Obesity." By George Kelemen, M.D. *The Laryngoscope*. Vol. 53, pp. 288-304, April, 1943.

"The Palatine Tonsil in the Sixth Decade." By George Kelemen, M.D. *Annales of Otology, Rhinology and Laryngology*. Vol. 52, pp. 419-443, June, 1943.

"Otosclerotic Focus Outside the Inner Ear Capsule." By George Kelemen, M.D. *The Laryngoscope*. Vol. 53, pp. 528-532, August, 1943.

"Pathway of the Tonsillar Lymphocyte." By George Kelemen, M.D. *Archives of Otolaryngology*. Vol. 38, pp. 433-444, November, 1943.

"Fractures of the Temporal Bone." By George Kelemen, M.D. Scientific Exhibit at the American Academy of Ophthalmology and Otolaryngology, October 10-13, 1943, Chicago, Illinois; and the New England Otolaryngological Society, November 17, 1943, Boston, Massachusetts.

# Publications of the Staff of the Howe Laboratory of Ophthalmology

"The Waltzing (Circling) Phenomenon in Rabbits." By David G. Cogan, M.D. *The Journal of Comparative Psychology,* Vol. 35, No. 2, April, 1943.

"Clearing of Edematous Corneas by Glycerine." By David G. Cogan, M.D. *American Journal of Ophthalmology,* Vol. 26, No. 5, May, 1943.

"Lewisite Burns of the Eye." By David G. Cogan, M.D. *The Journal of the American Medical Association,* Vol. 122, 435-436, June 12, 1943.

"Measuring Eye Flash from Arc Welding." By V. Everett Kinsey, Ph.D., David G. Cogan, M.D., and Philip Drinker, Sc.D. *The Journal of the American Medical Association,* Vol. 123, 403-404, October 16, 1943.

"Infra-Red Therapy of Flash Keratoconjunctivitis." By David G. Cogan, M.D., V. Everett Kinsey, Ph.D., and Philip Drinker, Ch.E. *The Journal of the American Medical Association,* Vol. 123, 883, December 4, 1943.

# Table of Diseases

## COMPILED FROM RECORDS

January 1, 1943 to January 1, 1944

| | *House* | *Out-Patient* |
|---|---|---|
| SECTION I<br>Specific Infectious Diseases—General Diseases | 106 | 6 |
| SECTION II<br>Diseases Due to Animal Parasites | 1 | 0 |
| SECTION III<br>Diseases of Metabolism and Deficiency | 34 | 6 |
| SECTION IV<br>Diseases Peculiar to Infancy | 14 | 1 |
| SECTION V<br>Diseases Due to Physical Agents | 2 | 3 |
| SECTION VI<br>Poisonings, Intoxications | 1 | 0 |
| SECTION VII<br>Tumors, Benign and Malignant | 476 | 169 |
| SECTION VIII<br>Congenital Malformations | 70 | 1 |
| SECTION IX<br>Injuries | 39 | 3 |
| SECTION X<br>Diseases of the Skin | 30 | 7 |
| SECTION XI<br>Diseases of the Circulatory System | 11 | 0 |
| SECTION XII<br>Diseases of the Lymphatic System | 15 | 1 |
| SECTION XIII<br>Diseases of the Blood-Forming Organs | 6 | 0 |
| SECTION XIV<br>Diseases of the Endocrine Glands | 4 | 0 |

| | House | Out-Patient |
|---|---|---|
| SECTION XV | | |
| Diseases of the Nervous System | 52 | 3 |
| SECTION XVI | | |
| Diseases of the Bones, Joints, Muscles, Tendons and Fascia | 57 | 0 |
| SECTION XVII | | |
| Diseases and injuries of the Eye and Ear | | |
| Disease of the Eye | 3,283 | 2,273 |
| A. General | 573 | 690 |
| B. Lids | 88 | 94 |
| C. Lacrimal Apparatus | 83 | 18 |
| D. Conjunctiva | 111 | 220 |
| E. Cornea | 234 | 1,059 |
| F. Anterior Chamber | 33 | 2 |
| G. Sclera | 10 | 5 |
| H. Lens | 1,010 | 75 |
| J. Uveal Tract | 54 | 8 |
| 1. Iris | 201 | 18 |
| 2. Ciliary Body | 4 | 0 |
| 3. Choroid | 16 | 11 |
| K. Retina | 123 | 12 |
| L. Vitreous | 14 | 4 |
| M. Optic Nerve | 20 | 2 |
| N. Eye Ball | 237 | 7 |
| O. Orbit | 52 | 3 |
| P. Disturbances of Motion | 420 | 45 |
| Diseases of the Ear | 419 | 74 |
| Q. General | 3 | 2 |
| R. Auricle | 21 | 0 |
| S. External Auditory Canal | 12 | 20 |
| T. Eustachian Tube | 2 | 0 |
| V. Middle Ear and Mastoid | 370 | 52 |
| W. Internal Ear | 11 | 0 |
| SECTION XVIII | | |
| Diseases of the Nose and Accessory Sinuses | 850 | 5 |
| SECTION XIX | | |
| Diseases of the Mouth, Lips, Cheeks, Pharynx, Tonsils and Palate | 1,406 | 7 |
| SECTION XX | | |
| Diseases of the Jaws, Teeth and Gums | 22 | 0 |

| | *House* | *Out-Patient* |
|---|---|---|
| SECTION XXI | | |
| Diseases of the Tongue | 4 | 0 |
| SECTION XXII | | |
| Diseases of the Esophagus | 96 | 0 |
| SECTION XXIII | | |
| Diseases of the Stomach | 4 | 0 |
| SECTION XXIV | | |
| Diseases of the Intestines | 4 | 0 |
| SECTION XXIX | | |
| Diseases of the Larynx | 47 | 0 |
| SECTION XXX | | |
| Diseases of the Trachea and Bronchi | 88 | 0 |
| SECTION XXXI | | |
| Diseases of the Lungs | 13 | 0 |
| SECTION XXXVI | | |
| Diseases of the Male Generative Organs | 1 | 0 |
| SECTION XL | | |
| Allergy | 11 | 0 |
| SECTION XLII | | |
| Ill-Defined or Unclassified Diseases | 53 | 18 |
| Totals | 7,219 | 2,577 |

Dr. Calvin B Chamberlain
5 Bay St. Rd - Com. 4747

# Graduate House Officers

Albaugh, Clarence H., *Ophthalmic*, 1940.
727 W. 7th Street, Los Angeles, California.
Alexander, Seeyman L., *Aural*, 1919.
170 St. George Street, Toronto, Ontario, Canada.
Allen, John H., *Aural*, 1904. 32 Deering Street, Portland, Maine.
*Allman, Charles H., *Oto-Laryngological*, 1930.
520 Commonwealth Avenue, Boston, Mass.
Amadon, A. M., *Aural*, 1897-98. (Deceased.)
Amberg, Emil, *Aural*, 1897. 1244 West Boston Boulevard, Detroit, Michigan.
Anthony, Alan R., *Ophthalmic*, 1936.
736 Granville Street, Vancouver, British Columbia.
*Anthony, Marc, *Ophthalmic*, 1929. Westminster Apts., Spokane, Washington.
Aylesworth, Frederick A., *Ophthalmic*, 1916.
Suite 1001, Medical Arts Building, Toronto, Ontario, Canada.
Bair, Hugo L., *Ophthalmic*, 1932. Mayo Clinic, Rochester, Minnesota.
*Ballenger, John J., *Oto-Laryngological*, 1943.
1340 Asbury Avenue, Winnetka, Illinois.
Barss, Richard, *Ophthalmic*, 1877.
*Bassen, Edward J., *Ophthalmic*, 1928.
654 Madison Avenue, New York City, N. Y.
Baur, Frederick E., *Aural*, 1902. 43 Grande Avenue, Milwaukee, Wisconsin.
Beetham, William P., *Ophthalmic*, 1929. 108 Bay State Road, Boston, Mass.
Berry, Gordon, *Aural*, 1910. 36 Pleasant Street, Worcester, Mass.
Bigelow F. Nolton, *Aural*, 1910. (Deceased.)
Birdsall, Clarence H., *Aural*, 1916; *Ophthalmic*, 1918.
26 Summer Street, Haverhill, Mass.
Blaisdell, Irl H., *Oto-Laryngological*, 1939.
Medical Arts Building, Syracuse, New York.
Bogan, Frederick L., *Aural*, 1908. 249 River Street, Milton, Mass.
Boies, Lawrence R., *Oto-Laryngological*, 1931.
1937 Medical Arts Building, Minneapolis, Minnesota.
Bradford, Henry W., *Ophthalmic*, 1877. (Deceased.)
Brady, Frank W., *Oto-Laryngological*, 1942. 8 Merrimac Street, Lowell, Mass.
Brawner, Leon E., *Oto-Laryngological*, 1925.
384 Peachtree Street, 701 Medical Arts Building, Atlanta, Georgia.
Bridgewood, David, *Ophthalmic*, 1926. (Deceased.)
Briggs, Wallace R., *Ophthalmic*, 1920. 229 M Street, Sacramento, California.
*Brown, Lester A., Jr., *Oto-Laryngological*, 1937.
478 Peachtree Street, Suite 815, Atlanta, Georgia.
Bryan, Burton D., *Oto-Laryngological*, 1943. Adamsville, Rhode Island.
Burger, Franklyn D., *Ophthalmic*, 1941.
395 Commonwealth Avenue, Boston, Mass.
Burke, J. Robert, *Ophthalmic*, 1918. *Aural*, 1919.
207 Elm Street, Holyoke, Mass.
Cahill, Harry P., *Aural*, 1914. (Deceased.)
Cameron, Walter C., *Ophthalmic*, 1930.
1103 Rhodes Building, Tacoma, Washington.
Canfield, R. Bishop, *Aural*, 1901. (Deceased.)
Capeles, Thomas F., *Ophthalmic*, 1915; *Aural*, 1916.
191 Merrimac Street, Haverhill, Mass.
Carleton, Ralph, *Ophthalmic*, 1896. (Deceased.)

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* In military service.

Caron, Armand L., *Oto-Laryngological*, 1927.
36 Pleasant Street, Worcester, Mass.
Carroll, Frank D., *Ophthalmic*, 1935.
Eye Institute, 635 W. 165th Street, New York, N. Y.
Carroll, Henry G., *Ophthalmic*, 1911. 270 Commonwealth Avenue, Boston, Mass.
Carter, Leland F., *Ophthalmic*, 1926. 1553 Woodward Avenue, Detroit, Michigan.
Case, Paul H., *Ophthalmic*, 1938. 418 Professional Building, Phoenix, Arizona.
*Casten, Virgil G., *Ophthalmic*, 1931. 520 Commonwealth Avenue, Boston, Mass.
*Cavanaugh, Thomas, *Ophthalmic*, 1940.
395 Commonwealth Avenue, Boston, Mass.
Cave, Linus S., *Oto-Laryngological*, 1927. Physicians' Building, Syracuse, N. Y.
Chamberlain, Allen H., *Ophthalmic*, 1889. (Deceased.)
Chandler, H. Beckles, *Ophthalmic*, 1880. (Deceased.)
Chandler H. Beckles, Jr., *Ophthalmic*, 1912. 34½ Beacon Street, Boston, Mass.
Chandler Paul A., *Ophthalmic*, 1925. 5 Bay State Road, Boston, Mass.
Cheney, Frederick E., *Ophthalmic*, 1888. (Deceased.)
Cheney, Robert C., *Ophthalmic*, 1921. (Deceased.)
Clap, Edmund W., *Ophthalmic*, 1899.
390 Commonwealth Avenue, Boston, Mass.
Clarke, Jonas, *Ophthalmic*, 1877.
Clarke, Samuel T., *Ophthalmic*, 1939. 240 West First Street, Reno, Nevada.
*Clough, Joseph M., *Oto-Laryngological*, 1939. *Ophthalmic*, 1941.
Cogan, David G., *Ophthalmic*, 1935. 243 Charles Street, Boston, Mass.
Converse, John M., *Oto-Laryngological*, 1938.
121 East 60th Street, New York City, New York.
Cooper, Kemp G., *Oto-Laryngological*, 1930.
1516 Cook Street, Denver, Colorado.
*Cordray, David P., *Oto-Laryngological*, 1940.
270 Commonwealth Avenue, Boston, Mass
Coughlan, John N., *Aural*, 1900. (Deceased.)
*Coyle, John A., *Ophthalmic*, 1931. Wilder, Vermont.
Crewson, Arthur L., *Oto-Laryngological*, 1927.
132 Second Street, West, Cornwall, Ontario, Canada
Crockett, Eugene A., *Aural*, 1892. (Deceased.)
Davidson, Herman P., *Ophthalmic*, 1920.
Suite 1424, 30 North Michigan Avenue, Chicago, Illinois.
Davis, Frederick A., *Ophthalmic*, 1892. (Deceased.)
Day, Charles Orrin, *Aural*, *Laryngological*, 1922. (Deceased.)
Day, Kenneth, *Oto-Laryngological*, 1924.
121 University Place, Pittsburgh, Pennsylvania.
*Dean, Abbott W., *Ophthalmic*, 1929. 424 Oakland Avenue, Council Bluffs, Iowa.
Donahue, Hugh C., *Ophthalmic*, 1931.
520 Commonwealth Avenue, Boston, Mass.
Dowling, Joseph L., *Ophthalmic*, 1918.
57 Jackson Street, Providence, Rhode Island.
*Drooker, Joshua C., *Oto-Laryngological*, 1939.
20 Charlesgate West, Boston, Mass.
Drury, Dana W., *Aural*, 1906. 483 Beacon Street, Boston, Mass.
Duclos, Gaston M., *Oto-Laryngological*, 1943.
*Dunphy, Edwin B., *Ophthalmic*, 1923. 243 Charles Street, Boston, Mass.
Easton, Elwood T., *Ophthalmic*, 1900. (Deceased.)
Easton, Mahlon T., *Ophthalmic*, 1936. 209 Newbury Street, Boston, Mass.
Ellis, Edward K., *Ophthalmic*, 1905. 412 Beacon Street, Boston, Mass.
Ernlund, Carl H., *Oto-Laryngological*, 1927. 5 Bay State Road, Boston, Mass.
Evans, Maurice G., *Oto-Laryngological*, 1928.
416 Marlborough Street, Boston, Mass.

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* In military service.

Evans, William H., *Ophthalmic*, 1924.
510-517 Dollar Bank Building, Youngstown, Ohio.
*Farrell, James I., *Ophthalmic*, 1932. Kempf Building, Utica, New York.
*Faunce, Calvin B., *Aural*, 1907. 386 Commonwealth Avenue, Boston, Mass.
*Filmer, George A., *Ophthalmic*, 1939.
530 Metropolitan Building, Denver, Colorado.
Finck, Harry P., *Ophthalmic*, 1919; *Aural*, 1920. (Deceased.)
Fisher, Carl, *Ophthalmic*, 1907. 1930 Wilshire Boulevard, Los Angeles, Calfornia.
Fisher, Stanwood E., *Aural*, 1909. 338 Spring Street, Portland, Maine.
Foote, Charles M., *Ophthalmic*, 1940.
412 North Hastings Avenue, Hastings, Nebraska.
Frackelton, Ralph J., *Oto-Laryngological*, 1933.
15701 Detroit Avenue, Lakewood, Ohio.
Franklin, C. Ray, *Ophthalmic*, 1931.
168th Street and Broadway, New York City, New York.
*Frazee, John R., *Oto-Laryngological*, 1934. 311 Beacon Street, Boston, Mass.
Fred, Gus Bernard, *Oto-Laryngological*, 1925. 520 Beacon Street, Boston, Mass.
Frisch, Frederick, *Ophthalmic*, 1908. (Deceased.)
Fultz, William E., *Ophthalmic*, 1927. 45 Kaye Street, Halifax, Nova Scotia.
Gabriels, Joseph A. C., *Ophthalmic*, 1921. 435 State Street, Albany, New York.
Gallagher, John H. C., *Aural*, 1920. (Deceased.)
Gaudreau, Honore E., *Ophthalmic*, 1930. 293 Bridge Street, Springfield, Mass.
Gaus, Louis, *Ophthalmic*, 1921. Ticonderoga, New York.
Germain, Harry H., *Ophthalmic*, 1899.
475 Commonwealth Avenue, Boston, Mass.
Gibson, Arthur C., *Aural*, 1921. 516 Sutter Street, San Francisco, California.
Gifford, Harold, Jr., *Ophthalmic*, 1934.
1620 Medical Arts Building, Omaha, Nebraska.
Gilbert, John J., *Ophthalmic*, 1917; *Aural*, 1920.
221 Thayer Street, Providence, Rhode Island.
Gillespie, Elmer H., *Oto-Laryngological*, 1932.
1101 Beacon Street, Brookline, Mass.
Goldman, A. Milton, *Ophthalmic*, 1924. Rockville Centre, New York.
Goodale, Robert L., *Oto-Laryngological*, 1926.
330 Dartmouth Street, Boston, Mass.
Goodall, Edwin B., *Ophthalmic*, 1918. 71 Bay State Road, Boston, Mass.
Goodell, William, *Aural*, 1906. 121 Chestnut Street, Springfield, Mass.
Goray, J. P., *Ophthalmic*, 1897. Day Street, Fitchburg, Mass.
Gray, Gerald H., *Oto-Laryngological*, 1929.
420 Mountain Avenue, Piedmont, California.
Grossman, Herman P., *Ophthalmic*, 1934.
210 Angell Street, Providence, Rhode Island.
*Gundersen, Trygve, *Ophthalmic*, 1930. 5 Bay State Road, Boston, Mass.
Hacking, Raymond F., *Ophthalmic*, 1927.
105 Waterman Street, Providence, Rhode Island.
Halliday, Armond A., *Ophthalmic*, 1918; *Aural*, 1919. (Deceased.)
*Halton, Edward J., *Oto-Laryngological*, 1942.
Hammond, Philip, *Aural*, 1894. (Deceased.)
Happ, Linley C., *Oto-Laryngological*, 1931; *Ophthalmic*, 1943.
199 Thayer Street, Providence, Rhode Island.
Haskell, Henry H., *Ophthalmic*, 1893. (Deceased.)
Hawkins, Henry, *Ophthalmic*, 1909. 394 Marlborough Street, Boston, Mass.
Heffernan, David A., *Ophthalmic*, 1904.
270 Commonwealth Avenue, Boston, Mass
Heine, Lyman H., *Oto-Laryngological*, 1927. Freemont, Nebraska.
Hennessey, William W., *Aural*, 1908. 33 Essex Street, Salem, Mass.

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* In military service.

Hill, Frederick T., *Aural*, 1916. 111 Main Street, Waterville, Maine.
Hobart, Carl, *Ophthalmic*, 1922. 518 Metropolitan Building, St. Louis, Missouri.
Hollabaugh, Charles F., *Ophthalmic*, 1932.
Doctors' Building, Nashville, Tennessee.
Holmes, Edgar M., *Oto-Laryngological*, 1934.
330 Dartmouth Street, Boston, Mass.
*Hoople, Gordon D., *Oto-Laryngological*, 1926.
The Medical Arts Building, Syracuse, New York.
Houston, G. Gilbert, *Oto-Laryngological*, 1938.
10 West Street, Charlottetown, P. E. I., Canada.
Hubbard, Rufus P., *Ophthalmic*, 1879.
Hurley, Edward D., *Ophthalmic*, 1907. (Deceased.)
Hussey, Edward J., *Ophthalmic*, 1906. (Deceased.)
*Ireland, Percy E., *Oto-Laryngological*, 1935.
170 St. George Street, Toronto, Ontario, Canada.
*Irgens, Edwin R., *Oto-Laryngological*, 1936. Waterville, Maine.
Irvine, S. Rodman, *Ophthalmic*, 1935.
700 Roosevelt Building, Los Angeles, California.
*Irvine, Wendell C., *Ophthalmic*, 1941.
Suite 700, Roosevelt Building, Los Angeles, California.
Jack, Edwin E., *Ophthalmic*, 1888. (Deceased.)
Jackle, Arthur F., *Ophthalmic*, 1913. (Deceased.)
Jennings, John G., *Ophthalmic* 1917. 82 Commonwealth Avenue, Boston, Mass.
*Johnson, Charles I., *Oto-Laryngological*, 1929.
403 Commonwealth Avenue, Boston, Mass.
*Johnson, Lorand V., *Ophthalmic*, 1937. 2065 Adelbert Road, Cleveland, Ohio.
Jones, Edward Earl, *Oto-Laryngological*, 1928.
141 W. Elm Street, Brockton, Mass.
Judd, Delbert K., *Oto-Laryngological*, 1934.
950 East 59th Street, Chicago, Illinois.
Kearney, Richard A., *Aural*, 1921. 2311 Connecticut Avenue, Washington, D. C.
*Kelly, Joseph C., *Ophthalmic*, 1942. (Deceased.)
Kendall, M. Ray, *Aural*, 1917. (Deceased.)
Kennedy, Michael Francis, *Ophthalmic*, 1927.
1835 I Street, N.W., Washington, D. C.
Kerst, J. Arthur, *Ophthalmic*, 1934.
Leland Office Building, East Capitol Avenue, Springfield, Illinois.
Kilburn, Henry W., *Aural*, 1885. (Deceased.)
King, Merrill J., *Ophthalmic*, 1932. 264 Beacon Street, Boston, Mass.
*Kos, Clair M., *Oto-Laryngological*, 1941. 2925 Grand Avenue, Des Moines, Iowa.
Langworthy, Henry G., *Aural*, 1907. 10th and Bluff Streets, Dubuque, Iowa.
*Lawlor, Edward R., *Oto-Laryngological*, 1941.
33 Tremont Street, Lawrence, Mass.
Leahey, Brendan D., *Ophthalmic*, 1933. 9 Central Street, Lowell, Mass.
LeCompte, Walter A., *Aural*, 1901. (Deceased.)
Lemoine, Albert N., *Ophthalmic*, 1923.
1119 Rialto Building, Kansas City, Missouri.
*Lentine, Joseph, *Oto-Laryngological*, 1936.
395 Commonwealth Avenue, Boston, Mass.
Levitt, Jesse M., *Ophthalmic*, 1933.
Fletcher General Hospital, Cambridge, Ohio.
Lewis, Donald K., *Oto-Laryngological*, 1943.
*Liebman, Sumner D., *Ophthalmic*, 1943.
311 Commonwealth Avenue, Boston, Mass.

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* In military service.

Liebman, William, *Ophthalmic*, 1911.
311 Commonwealth Avenue, Boston, Mass.
Lodge, Edmund A., *Oto-Laryngological*, 1924. Mountain Home, Tennessee.
Loring, Robert G., *Ophthalmic*, 1900. Retired—4 Lowell Street, Concord, Mass.
Lothrop, Oliver A., *Aural*, 1911. 101 Beacon Street, Boston, Mass.
Lougee, John L., *Aural*, 1909. 475 Commonwealth Avenue, Boston, Mass.
Lovesey, Burton E., *Oto-Laryngological*, 1935.
76 Bay State Road, Boston, Mass.
Lowell, W. Holbrook, *Ophthalmic*, 1902. (Deceased.)
*Lynch, Mercer G., *Oto-Laryngological*, 1936.
1567 Exposition Boulevard, New Orleans, Louisiana.
MacDonald, Alexander E., *Ophthalmic*, 1923.
170 St. George Street, Toronto, Ontario, Canada.
*Macdonald, Donald H., *Oto-Laryngological*, 1930.
425 Beacon Street, Boston, Mass.
MacKechnie, William G., *Aural*, 1918.
Port of Spain, Trinidad, British West Indies.
Mackenzie, Roland C., *Ophthalmic*, 1911. 30 Grant Street, Waltham, Mass.
MacMillan A. L., Jr., *Aural*, 1912.
46 Pleasant Street, Concord, New Hampshire.
*Macnie, John P., *Ophthalmic*, 1929.
635 W. 165th Street, New York City, New York.
Mansur, Leon Wallace, *Ophthalmic*, 1898. Retired—Valley Center, California.
*Martin, S. Forrest, *Ophthalmic*, 1938.
*Mattis, Robert Dean, *Ophthalmic*, 1942.
McAuley, Albert G., *Ophthalmic*, 1915.
1301 Dorchester Street West, Montreal, Quebec, Canada.
McCabe, Frank J., *Ophthalmic*, 1916.
204 Angell Street, Providence, Rhode Island.
*McCall, Robert E., *Oto-Laryngological*, 1941.
236 South Main Street, Marion, North Carolina.
*McClintock, Walter L., *Oto-Laryngological*, 1938.
1245 Hancock Street, Quincy, Mass.
McCusker, John J., *Ophthalmic*, 1897.
382 Broad Street, Providence, Rhode Island.
McDonald, Samuel J., *Ophthalmic*, 1902.
308 Commonwealth Avenue, Boston, Mass.
*McGuigan, G. Edmund, *Ophthalmic*, 1924.
116 West Market Street, York, Pennsylvania.
McIntire, Frederic J., *Ophthalmic*, 1910. 63 North Common Street, Lynn, Mass.
McKelvey, Alexander D., *Aural*, 1911. (Deceased.)
*McKenzie, Rodney J., *Oto-Laryngological*, 1942.
3515 Burnet Avenue, Cincinnati, Ohio.
McLaughlin, William C., *Aural*, 1908. (Deceased.)
McLeod, Angus M., *Oto-Laryngological*, 1932.
Medical Arts Building, Toronto, Ontario, Canada.
*McLeod, John, *Ophthalmic*, 1930. 900 Argyle Building, Kansas City, Missouri.
*Meek, Raymond E., *Ophthalmic*, 1926.
729 Park Avenue, New York City, New York.
Meltzer, Philip E., *Aural*, 1919. 20 Charlesgate West, Boston, Mass.
Merritt, Robert E., *Ophthalmic*, 1920. Retired—Valley Center, California.
*Mertins, Paul S., *Oto-Laryngological*, 1936.
17 Galen Street, Montgomery, Alabama.
Messenger, Harry K., *Ophthalmic*, 1934.
313 Commonwealth Avenue, Boston, Mass.

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* In military service.

Meyer, Monto F., *Ophthalmic*, 1919.
904 Canal Bank Building, New Orleans, Louisiana.
Miles, Nathan E., *Ophthalmic*,, 1937.
1023 South 20th Street, Birmingham, Alabama.
Miller, Daniel, *Oto-Laryngological*, 1943. 20 Charlesgate West, Boston, Mass.
*Moore, Donald E., *Ophthalmic*, 1937.
403 Medical Arts Building, Syracuse, New York.
Moore, Fontaine B., *Aural*, 1914.
*Moore, James A., *Oto-Laryngological*, 1940.
66 South Fullerton Avenue, Montclair, New Jersey.
Morse, Almon G., *Ophthalmic*, 1893. (Deceased.)
*Moorman, John D., *Ophthalmic*, 1939. Times Building, Huntsville, Alabama.
*Mosher, Henry A., *Ophthalmic*, 1941. 62 Central Avenue, Dayton, Ohio.
Motley, Frederic E., *Oto-Laryngological*, 1925.
Charlotte Eye, Ear, Nose & Throat Hospital, Charlotte, North Carolina.
Mueller, Werner, *Oto-Laryngological*, 1933. 412 Beacon Street, Boston, Mass.
Murphy, Edward M., *Ophthalmic*, 1915. 9 Central Street, Lowell Mass.
Murphy, William E., *Oto-Laryngological*, 1933. Slater Building, Worcester, Mass.
Myers, Roscoe W., *Ophthalmic*, 1927. 36 Pleasant Street, Worcester, Mass.
*Myers, Stanley A., *Oto-Laryngological*, 1937.
Nicholson, Harry M., *Aural*, 1913.
101 James Street South, Hamilton, Ontario, Canada.
O'Connell, John D., *Ophthalmic*, 1943.
*O'Connor, Michael J., *Aural* and *Laryngological*, 1923.
105 Waterman Street, Providence, Rhode Island.
*Ogden, Frederick W., *Oto-Laryngological*, 1942.
Olds, Bomar A., *Oto-Laryngological*, 1929.
Suite No. 307, Medical Arts Building, Atlanta, Georgia.
O'Neil, Robert C., *Oto-Laryngological*, 1928. (Deceased.)
Parker, Harry C., *Ophthalmic*, 1902.
*Pollock, Frederick J., *Oto-Laryngological*, 1935.
Porter, Charles T., *Ophthalmic*, 1914; *Aural*, 1915.
520 Commonwealth Avenue, Boston, Mass.
Powers, George H., *Aural*, 1904. (Deceased.)
Price, F. Raymond, *Ophthalmic*, 1936.
118 Rutledge Avenue, Charleston, South Carolina.
Proctor, Francis I., *Ophthalmic*, 1891. (Deceased.)
Provost, Adolphe J., *Oto-Laryngological*, 1927.
36 Lowell Street, Manchester, New Hampshire.
Prudhon, Charles A., *Oto-Laryngological*, 1930.
168 Sterling Street, Watertown, New York.
Quackenboss, Alexander, *Ophthalmic*, 1893. (Deceased.)
Quevedo, A. Arturo, *Ophthalmic*, 1933.
4a Ave. Sur 19, Guatemala City, Guatemala, Central America.
Quevedo, Julio, *Oto-Laryngological*, 1941.
15 C. O. 5, Guatemala City, Guatemala, Central America.
Quincy, Josiah E., *Oto-Laryngological*, 1926.
270 Commonwealth Avenue, Boston, Mass.
Raynes, Alphonse F., *Ophthalmic*, 1923.
16 Market Square, Portsmouth, New Hampshire.
Reaves, Robert G., *Aural*, 1918. (Deceased.)
Reagan, Daniel J., *Ophthalmic*, 1943.
Rice, John D., *Oto-Laryngological*, 1943. 390 Main Street, Worcester, Mass.
Rice, Theodore A., *Ophthalmic*, 1942.
390 Main Street, Worcester, Massachusetts.

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* In military service.

*Richards, Lyman G., *Oto-Laryngological,* 1924.
319 Longwood Avenue, Boston, Mass.
Richardson, John R., *Oto-Laryngological,* 1935.
395 Commonwealth Avenue, Boston, Mass.
*Riemer, Karl, *Ophthalmic,* 1943.
*Ross, Percy Jay, *Oto-Laryngological,* 1934.
1045 Michigan Avenue, Chicago, Illinois.
Rothwell, Stephen G., *Oto-Laryngological,* 1925.
100 Eighth Street, New Bedford, Mass.
Ruggles, Ralph H., *Ophthalmic,* 1920. 394 Marlborough Street, Boston, Mass.
Ruggles, Roger L., *Oto-Laryngological,* 1932. 80 Elm Street, Westfield, Mass.
Rust, Frank L., *Ophthalmic,* 1898. (Deceased.)
Ryder, George H., *Ophthalmic,* 1901. 968 Hancock Street, Quincy, Mass.
Sachs, Benjamin, *Ophthalmic,* 1925. 520 Beacon Street, Boston, Mass.
*Sainsbury, Augustus W., *Oto-Laryngological,* 1943.
42 N. Main Street, Canandaigua, New York.
Sargent, Francis B., *Aural and Laryngological,* 1923.
124 Waterman Street, Providence, Rhode Island.
Savage, Ross E., *Ophthalmic,* 1910. Gloucester, Mass.
Scarney, Herman D., *Ophthalmic,* 1928. 573 Fisher Building, Detroit, Michigan.
*Schnebly, J. Thomas, *Ophthalmic,* 1938.
508 Farragut Medical Building, Washington, D. C.
*Seale, Earl S., *Ophthalmic,* 1940. 108 Bay State Road, Boston, Mass.
Shambaugh, George E., Jr., *Oto-Laryngological,* 1932.
122 S. Michigan Boulevard, Chicago, Illinois.
Shanahan, Timothy J., *Aural,* 1907. (Deceased.)
*Sheehan, Linus A., *Ophthalmic,* 1943.
21 Phillips Street, Providence, Rhode Island.
Simmons, Fred A., *Aural,* 1918. (Deceased.)
Sisson, Raymond J., *Ophthalmic,* 1925. (Deceased.)
*Skilling, Francis C., *Ophthalmic,* 1933. 401 Ingram Building, Miami, Florida.
*Slaughter, Earl C., *Oto-Laryngological,* 1940.
418 Calumet Bank Building, Hammond, Indiana.
*Smith, Harold D., *Oto-Laryngological,* 1937.
342 Investment Building, Pomona, California.
Smyth, D. Campbell, *Aural,* 1910. (Deceased.)
Smyth, P. Somers, *Ophthalmic,* 1905. (Deceased.)
*Snow, Robert G., *Oto-Laryngological,* 1940.
403 Commonwealth Avenue, Boston, Mass.
Sowers, Martin L., *Aural* and *Laryngological,* 1922.
Crossway Apts., Far Rockaway, New York.
Spalding, Fred M., *Ophthalmic,* 1900. (Deceased.)
Spratt, Charles N., *Ophthalmic,* 1904. 785 9th Street, Minneapolis, Minn.
Standish, Myles, *Ophthalmic,* 1880. (Deceased.)
*Stephens, H. Frederick, *Ophthalmic,* 1939.
195 Thayer Street, Providence, Rhode Island.
*Sullivan, Garrett L., *Ophthalmic,* 1938. 5 Bay State Road, Boston, Mass.
Tegelberg, Julius, *Oto-Laryngological,* 1931. 390 Main Street, Worcester, Mass.
Terry, Theodore L., *Ophthalmic,* 1928. 140 Marlborough Street, Boston, Mass.
Thompson, Peter Hunter, *Ophthalmic,* 1902.
308 Commonwealth Avenue, Boston, Mass.
Tobey, George L., Jr., *Aural,* 1905. 403 Commonwealth Avenue, Boston, Mass.
Tobey, Harold G., *Aural,* 1915. 403 Commonwealth Avenue, Boston Mass.
Toot, J. Frederick, *Ophthalmic,* 1922. East Liverpool, Ohio.

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* In military service.

Twitchell, Marshall C., *Ophthalmic*, 1941.
217 South Union Street, Burlington, Vermont.
*Vail, Derrick T., *Ophthalmic*, 1924. 819 Carew Tower, Cincinnati, Ohio.
Vail, Harris H., *Aural*, 1921. (Deceased.)
*Viger, Roland J., *Ophthalmic*. 1937.
1414 Drummond Street, Montreal, Quebec, Canada.
Waite, J. Herbert, *Ophthalmic*, 1923. 7 Bay State Road, Boston, Mass.
Wales, Ernest DeW., *Aural*, 1902.
1236 N. Pennsylvania Street, Indianapolis, Indiana.
*Walker, Charles E., Jr., *Ophthalmic*, 1935.
1114 Republic Building, Denver, Colorado.
Walker, Clifford B., *Aural*, 1914. (Deceased.)
Walker, D. Harold, *Aural*, 1902. 5 Bay State Road, Boston, Mass.
*Wattles, F. Merrill, *Oto-Laryngological*, 1938.
312 Greenleaf Building, Jacksonville, Florida.
Webster, Franklin R., *Ophthalmic*, 1926.
810 State Tower Building, Syracuse, New York.
Weille, Francis L., *Oto-Laryngological*, 1929.
395 Commonwealth Avenue, Boston, Mass.
Weinheimer, Lambert H., *Ophthalmic*, 1922. (Deceased.)
Wherry, Walter J., *Oto-Laryngological*, 1939. (Deceased.)
White, Leon E., *Aural*, 1897. (Deceased.)
White, Leon E., *Aural* and *Laryngological*, 1923.
390 Commonwealth Avenue, Boston, Mass.
Whitney, Raymond C., *Ophthalmic*, 1922. 227 Union Street, New Bedford, Mass.
Willis, Harry C., *Aural and Laryngological*, 1923.
216 E. Nash Street, Wilson, North Carolina.
Winkler, Herman A., *Oto-Laryngological*, 1926.
224 Thayer Street, Providence, Rhode Island.
Wishart, David E. S., *Aural* and *Laryngological*, 1922.
47 Grosvenor Street, Toronto, Ontario, Canada.
Woodruff, Harry W., *Ophthalmic*, 1936. (Deceased.)
Worthen, Clarence F., *Ophthalmic*, 1917.
319 Commonwealth Avenue, Boston, Mass.
Wright, Clarence F., *Oto-Laryngological*, 1931.
86 Bloor Street, West, Toronto, Ontario, Canada.
Wright, Edward N., *Oto-Laryngological*, 1933.
54 Brant Avenue, Brantford, Ontario, Canada.

---

* In military service.

## Form of a Bequest to the Infirmary

*I give and bequeath to the Massachusetts Eye and Ear Infirmary of Boston, the sum of*
*dollars, to be applied to the uses of said Infirmary.*

ONE HUNDRED AND NINETEENTH

# ANNUAL REPORT

OF THE

# *Massachusetts Eye and Ear Infirmary*

INCORPORATED IN 1827

FOR THE YEAR

1944

OFFICERS AND STAFF

1945

BOSTON : MASSACHUSETTS

# MASSACHUSETTS EYE AND EAR INFIRMARY

243 Charles Street, Corner Fruit Street, Boston, Mass.

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THE MASSACHUSETTS EYE AND EAR INFIRMARY is a charitable Institution supported solely by receipts from patients and voluntary contributions. Only those unable to pay Doctor's fees will be admitted to the Wards or Out-Patient Department.

## OUT-PATIENT DEPARTMENT

The Out-Patient Department is open daily excepting Sundays and legal holidays, from 8 to 10 A.M. for examination and treatment of all persons afflicted with disease of the eye, ear, nose or throat, who are unable to pay a physician. Patients should, whenever possible, bring a letter from their physician recommending admission. In emergencies or unusual situations, the patient may be admitted, the doctor notified and information requested from him as to the medical and social aspects of the case. A patient may also be admitted by giving satisfactory evidence that he is not and has not been under treatment by a physician, and that he cannot afford to pay for examination and treatment by a private physician.

Admission fee: Adults, seventy-five cents first visit, other visits sixty cents; children under sixteen years of age fifty cents first visit, other visits thirty cents.

## HOSPITAL WARD SERVICE

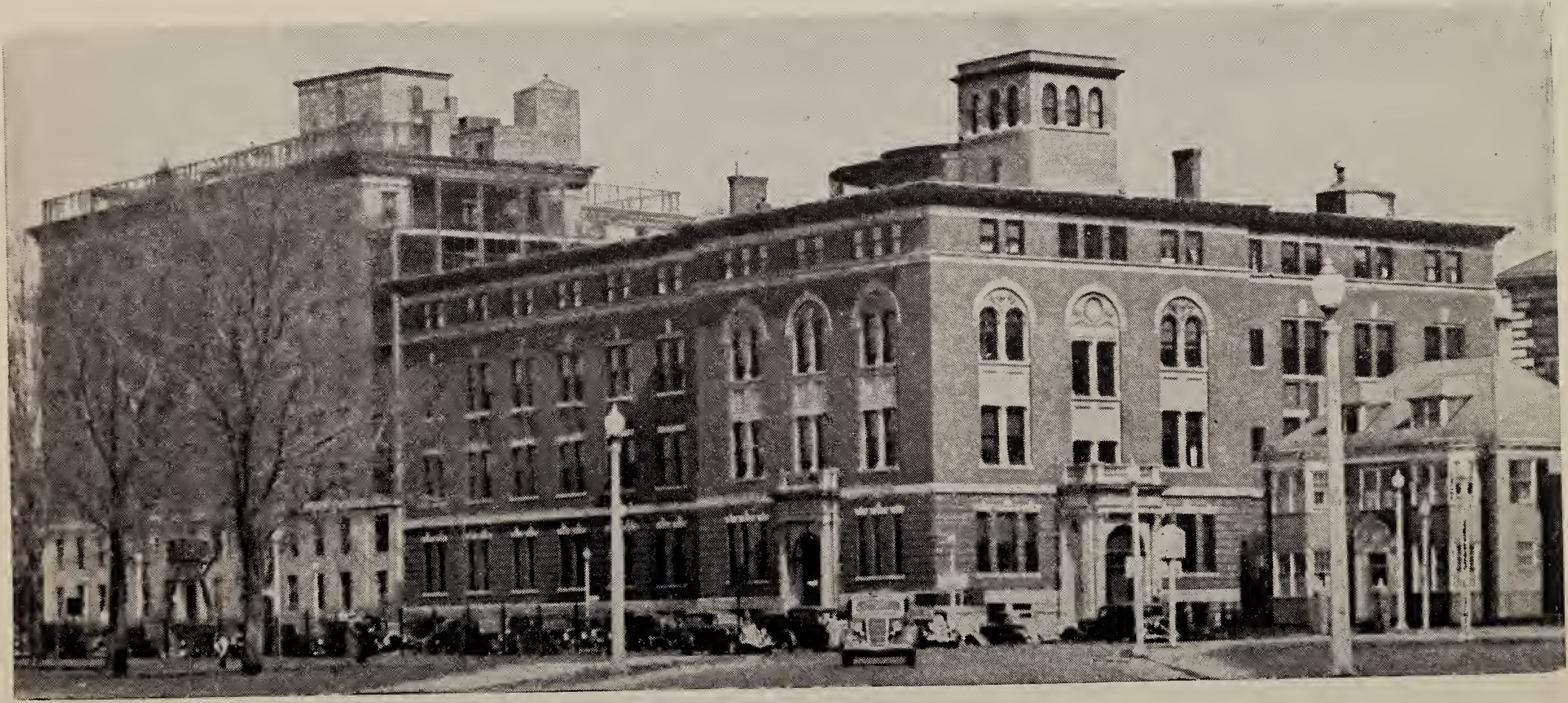
Patients should whenever possible, bring a letter from their doctor recommending admission. If their medical condition after examination by the house officer on duty is found to be suitable, they will be admitted. Persons recommended for admission should come to the Admitting Office, 243 Charles Street, between 9 A.M. and 1 P.M. on week days, excepting legal holidays.

Accident and emergency cases admitted at any time.

Patients admitted to the wards as in-patients will be charged for board at the rate of twenty-eight dollars per week, payable in advance, unless some special arrangement is made by the Director. No reduction in rate of board made to those residing outside the Commonwealth of Massachusetts.

## PRIVATE PATIENTS

The Infirmary also provides facilities for the care of private patients of members of the hospital staff. The rates for single rooms range from $7.50 to $9 a day and accommodations in rooms with five or six beds are $4.50 a day. Patients are expected to arrange with their physician regarding professional fees.



Massachusetts Eye and Ear Infirmary

ONE HUNDRED AND NINETEENTH

# ANNUAL REPORT

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OFFICERS AND STAFF

1945

BOSTON : MASSACHUSETTS

# Table of Contents

PAGE

OFFICERS . . . . . . . . . . . 3

BOARD OF MANAGERS AND STAFF . . . . . . 3

HISTORY . . . . . . . . . . . 12

PRESIDENT'S REPORT . . . . . . . . 15

TREASURER'S REPORT . . . . . . . . 18

LADIES' VISITING COMMITTEE . . . . . . 36

DIRECTOR'S REPORT . . . . . . . . 38

DEPARTMENT OF OPHTHALMOLOGY . . . . . 49

REFRACTION ROOM . . . . . . . . 51

DEPARTMENT OF OTO-LARYNGOLOGY . . . . . 53

PATHOLOGICAL LABORATORY . . . . . . . 57

X-RAY DEPARTMENT . . . . . . . . 60

NURSING DEPARTMENT . . . . . . . 62

DIETARY DEPARTMENT . . . . . . . 65

MEDICAL SOCIAL SERVICE . . . . . . . 66

OCCUPATIONAL THERAPY . . . . . . . 73

HOWE LABORATORY . . . . . . . . 75

HOWE LIBRARY . . . . . . . . . 80

SCIENTIFIC PAPERS . . . . . . . . 82

TABLE OF DISEASES . . . . . . . . 86

DIRECTORY . . . . . . . . . . 89

John F Bowen - app [illegible]

Wm H. Claflin - 3rd new app't 1947

# Officers, 1945

## BOARD OF MANAGERS, 1944-1945

| | |
|---|---|
| 1893-95<br>1907- | Charles P. Curtis, 71 Ames Building, 5 Court Street |
| **1903 | Russell G. Fessenden, 1 Federal Street |
| 1914 | James C. Howe, 1005 Exchange Building, 53 State Street |
| 1925 | Leverett Saltonstall, 82 Devonshire Street |
| 1929 | Walter H. Trumbull, Weston, Mass. |
| †1934 | Patrick A. O'Connell, 154 Tremont Street |
| 1934 | Frank G. Allen, 248 Summer Street |
| 1934 | Robert F. Bradford, 49 Federal Street |
| 1935 | William A. Parker, 1 Court Street |
| 1937 | Henry Hixon Meyer, 820 Exchange Building, 53 State Street |
| 1940 | Mrs. Richard Cary Curtis, 215 Warren Street, Brookline, Mass. |
| 1940 | Horace W. Frost, 74 State Street |
| †1942 | Dr. D. Harold Walker, 5 Bay State Road |
| 1943 | Frederic Winthrop, Ipswich, Mass. |
| 1945 | Henry W. Porter, 158 Willard Road, Brookline, Mass. |

*President*

Henry Hixon Meyer

Everett 5200.
6 Ashland St
Everett

*Secretary*

James C. Howe

*Treasurer*

Horace W. Frost

*Executive Committee*

Henry Hixon Meyer
Robert F. Bradford
James C. Howe
Horace W. Frost

*Finance Committee*

Henry Hixon Meyer
William A. Parker
Horace W. Frost

*Advisory Committee*

Social Service Department

***Charles T. Porter, M.D.
Paul A. Chandler, M.D.
William A. Parker
Mrs. Richard Cary Curtis
Mrs. Harold Peabody
Mrs. Leslie Soule

*Advisory Committee*

Occupational Therapy Department

Mrs. Reginald Smithwick
Mrs. Samuel S. Hall, Jr.
Philip E. Meltzer, M.D.
Fred S. Thorne, M.D.
Mrs. Richard Cary Curtis
James C. Howe

---

†Appointed by the Commonwealth.

**Died February 11, 1945.

***Died April 19, 1945.

## VISITING COMMITTEE

| | |
|---|---|
| January | Mrs. R. C. Curtis<br>Mr. Allen |
| February | Mr. Allen<br>Mr. Meyer |
| March | Mr. Meyer<br>Mr. Frost |
| April | Mr. Frost<br>Mr. C. P. Curtis |
| May | Mr. C. P. Curtis<br>Mr. Trumbull |
| June | Mr. Trumbull<br>Mr. Saltonstall |
| July | Mr. Saltonstall<br>Mr. Porter |
| August | Mr. Porter<br>Mr. Howe |
| September | Mr. Howe<br>Mr. Bradford |
| October | Mr. Bradford<br>Mr. Winthrop |
| November | Mr. Winthrop<br>Mr. Parker |
| December | Mr. Parker<br>Mrs. R. C. Curtis |

## LADIES' VISITING COMMITTEE

Mrs. Sullivan A. Sargent, Jr., *Chairman*
Mrs. Harold Peabody, *Vice-Chairman*
Mrs. John E. Thayer, Jr., *Secretary*
Mrs. Richard Cary Curtis, *Treasurer*

Mrs. Arlie V. Bock
Mrs. John E. Boit
Mrs. John Bryant
Mrs. Harry P. Cahill
Mrs. Nathaniel D. Clapp
Mrs. Livingston Davis
Mrs. Weld Douglass
Mrs. Edwin B. Dunphy
Mrs. Henry Erhard
Mrs. John W. Farley
Mrs. Reginald Foster
Mrs. Trygve Gundersen
Mrs. George F. Hall
Mrs. Samuel E. Hall, Jr.
Mrs. Harold L. Higgins
Mrs. Francis T. Hunter
Mrs. Charles I. Johnson
Mrs. Varaztad H. Kazanjian
Mrs. Andrew Mason
Mrs. William W. McCarthy
Mrs. Noel Morss
Mrs. Harris P. Mosher
Mrs. Eugene Record
Mrs. Franklin A. Reece
Mrs. John R. Richardson
Mrs. Arthur L. Richmond
Mrs. Edward J. L. Ropes
Mrs. LeRoy A. Schall
Mrs. Reginald H. Smithwick
Mrs. William B. Snow, Jr.
Mrs. Leslie Soule
Mrs. Channing Swan
Mrs. Thomas C. Thacher, Jr.
Mrs. Charles E. Thayer
Mrs. Robert Truesdale
Mrs. Frederick H. Verhoeff
Mrs. John I. Wylde

# EXECUTIVE OFFICERS

*Director*
Nathaniel W. Faxon, M.D.

*Assistant to the Director*
Annie M. Robertson, R.N.

*Executive Assistants*
Ruth M. Hutchinson, R.N.
Walborg L. Peterson, R.N.
Henrietta Olsen, R.N.

*Superintendent of Nurses*
Sally Johnson, R.N.

*Assistant Superintendent of Nurses*
Dorothy M. Tarbox, R.N.

*Social Service Director*
Eunice W. Wilson, B.S.

*Other Departments*

| | |
|---|---|
| Kitrena Akins | Housekeeper |
| Samuel Cooper | Storekeeper |
| Genevieve C. Chase | Record Librarian |
| Jean Fox | Administrative Dietitian |
| Eleanor Greenwood | Chief, Volunteer Service |
| Frances M. Hernan | Chief Accountant |
| Raymond V. Kinsman | Superintendent of Works |
| Jeanette Loessl | Librarian, Lucien Howe Library of Opthalmology |
| Allen H. Mathewson | Purchasing Agent |
| Albert E. Maver | Head of Optical Shop |
| Carlene Millican | Therapeutic Dietitian |
| John Murphy | Head of Pharmacy |
| Anne M. Olsen | Director, Occupational Therapy |

# STAFF
# DEPARTMENT OF OPHTHALMOLOGY

*Consulting Surgeons in Ophthalmology*

Walter B. Lancaster, M.D.
Peter H. Thompson, M.D.
Samuel J. McDonald, M.D.
Hugo B. C. Riemer, M.D.
Edward K. Ellis, M.D.
J. Herbert Waite, M.D.
Edmund W. Clap, M.D.
Henry Hawkins, M.D.
Samuel H. Wilkins, M.D.
Edwin B. Goodall, M.D.
John G. Jennings, M.D.

### *Consulting Chief of Ophthalmology*

Frederick H. Verhoeff, M.D.

### *Chief of Ophthalmology*

*Edwin B. Dunphy, M.D.

### *Acting Chief of Ophthalmology*

Paul A. Chandler, M.D.

### *Surgeons in Ophthalmology*

Benjamin Sachs, M.D.
Paul A. Chandler, M.D.
Theodore L. Terry, M.D.
William P. Beetham, M.D.
*Virgil G. Casten, M.D.

### *Associate Surgeons in Ophthalmology*

Ralph H. Ruggles, M.D.
Fred S. Thorne, M.D.
*Trygve Gundersen, M.D.

### *Assistant Surgeons in Ophthalmology*

David G. Cogan, M.D.
Edward E. Covitz, M.D.
Hugh C. Donahue, M.D.
Mahlon T. Easton, M.D.
Herman P. Grossman, M.D.
Paul G. Haire, M.D.
Merrill J. King, M.D.
Brendan D. Leahey, M.D.
Harry K. Messenger, PH.D., M.D.
Albert E. Sloane, M.D.

### *Senior Clinical Assistants in Ophthalmology*

Franklyn D. Burger, M.D.
*Thomas Cavanaugh, M.D.
Calvin B. Chamberlain, M.D.
Julian F. Chisholm, Jr., M.D.
Linley C. Happ, M.D.
Carl C. Johnson, M.D.
*Sumner D. Liebman, M.D.
Joseph Lo-Presti, M.D.
*S. Forrest Martin, M.D.
Abraham Pollen, M.D.
Paul M. Runge, M.D.
*Earl S. Seale, M.D.
*Linus A. Sheehan, M.D.
*H. Frederick Stephens, M.D.
*Garrett L. Sullivan, M.D.

### *Clinical Assistants in Ophthalmology*

Clarence H. Birdsall, M.D.
Thomas F. Capeles, M.D.
A. William Collinson, M.D.
*Lawrence R. Dame, M.D.
Lloyd J. Duest, M.D.
Honoré E. Gaudreau, M.D.
*Arthur M. Morrissey, M.D.
Bertha Offenbach, M.D.
Raymond C. Whitney, M.D.

---

* On leave of absence because of military service.

## DEPARTMENT OF OTO-LARYNGOLOGY

### *Consulting Surgeons in Otology and Laryngology*

Frederick L. Jack, M.D.
Joseph L. Goodale, M.D.
George L. Tobey, Jr., M.D.
D. Harold Walker, M.D.
Calvin B. Faunce, M.D.
Frederick E. Garland, M.D.
Frederick L. Bogan, M.D.
Harry A. Barnes, M.D.
Harris P. Mosher, M.D.
Leon E. White, M.D.

### *Chief of Otology and Laryngology*

LeRoy A. Schall, M.D.

### *Surgeons in Oto-Laryngology*

George H. Poirier, M.D.
Harold G. Tobey, M.D.
***Charles T. Porter, M.D.
Philip E. Meltzer, M.D.
Moses H. Lurie, M.D.
Gustave B. Fred, M.D.

### *Surgeons for Tumor Clinic*

Edwards W. Herman, M.D.
Carl H. Ernlund, M.D.

### *Surgeons for Plastic Operations*

Varaztad H. Kazanjian, D.M.D., M.D.

### *Surgeon for Bronchoscopy and Esophagoscopy*

*Lyman G. Richards, M.D.

### *Associate Surgeons in Oto-Laryngology*

Robert L. Goodale, M.D.
Maurice G. Evans, M.D.
Francis L. Weille, M.D.
Philip Mysel, M.D.
*Charles I. Johnson, M.D.

### *Assistant Surgeons in Oto-Laryngology*

*Charles H. Allman, M.D.
Walter J. E. Carroll, M.D.
*John R. Frazee, M.D.
Edgar M. Holmes, M.D.
Vincent J. Kelley, M.D.
Burton E. Lovesey, M.D.
Werner Mueller, M.D.
Josiah E. Quincy, M.D.
John R. Richardson, M.D.

### *Clinical Assistants in Oto-Laryngology*

Frank W. Brady, M.D.
Calvin M. Cerrato, M.D.
*David P. Cordray, M.D.
Elizabeth De Blois, M.D.
*Joshua C. Drooker, M.D.
*Frank Gavolio, M.D.
Kenneth Kazanjian, M.D.
George Kelemen, M.D.
*Joseph Lentine, M.D.
Donald K. Lewis, M.D.
*Donald H. Macdonald, M.D.
*Walter L. McClintock, M.D.
Daniel Miller, M.D.
Alphonse L. Senecal, M.D.
Frank R. Shlossberg, M.D.
*Robert G. Snow, M.D.
*Herman J. Sternstein, M.D.

---

* On leave of absence because of military service.
***Died April 19, 1945.

*Clinical Assistant for Bronchoscopy and Esophagoscopy*
Edward B. Benedict, M.D.

*Consulting Pathologist*
*Tracy B. Mallory, M.D.

*Pathologist*
Theodore L. Terry, M.D.

*Roentgenologist*
A. S. Macmillan,, M.D.

*Anesthetist*
*Henry K. Beecher, M.D.

## HOWE LABORATORY OF OPHTHALMOLOGY

*Director*
David G. Cogan, M.D.

*Trygve Gundersen, M.D.
Elek J. Ludvigh, PH.D.
V. Everett Kinsey, PH.D.
W. Morton Grant, M.D.
S. Forrest Martin, Lieut. Commander (MC) USNR

## CONSULTANTS

*Consulting Physicians*

James H. Means, M.D.
*F. Dennette Adams, M.D.
Fuller Albright, M.D.
Joseph C. Aub, M.D.
*Walter Bauer, M.D.
Arlie V. Bock, M.D.
*Francis R. Dieuaide, M.D.
Chester M. Jones, M.D.
Francis M. Rackemann, M.D.
Wyman Richardson, M.D.
Paul D. White, M.D.
Roger P. Dawson, M.D.
Maurice Fremont-Smith, M.D.
John W. Cass, Jr., M.D.
Earle M. Chapman, M.D.
*Milton H. Clifford, M.D.
*John H. Fay, M.D.
Greene FitzHugh, M.D.
Reed Harwood, M.D.
William R. Hill, Jr., M.D.
Howard B. Jackson, M.D.
*Bernard M. Jacobson, M.D.
T. Duckett Jones, M.D.
Richard B. King, M.D.
*Alfred Kranes, M.D.
Jacob Lerman, M.D.

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* On leave of absence because of military service.

*Francis T. Hunter, M.D.
*Donald S. King, M.D.
Dwight L. Siscoe, M.D.
*Howard B. Sprague, M.D.
*James H. Townsend, M.D.
Marian W. Ropes, M.D.
*Myles P. Baker, M.D.
William W. Beckman, M.D
*Edward F. Bland, M.D.
*Allen G. Brailey, M.D.
Austin M. Brues, M.D.
*Walter S. Burrage, M.D.
*Alfred O. Ludwig, M.D.
*John P. Monks, M.D.
*Robert S. Palmer, M.D.
Willard S. Parker, M.D.
Helen S. Pittman, M.D.
Milton J. Quinn, M.D.
*Charles L. Short, M.D.
*George P. Sturgis, M.D.
*John H. Talbott, M.D.
*Edward G. Thorp, M.D.
*Thomas V. Urmy, M.D.
Roy R. Wheeler, M.D.

### *Consulting Dermatologists*

C. Guy Lane, M.D.
Jacob H. Swartz, M.D.
Austin W. Cheever, M.D.
Ethel M. Rockwood, M.D.
*Myer M. Tolman, M.D.
John Adams, Jr., M.D.
G. Marshall Crawford, M.D.
Mildred Ryan, M.D.

### *Consulting Neurologists*

James B. Ayer, M.D.
George Clymer, M.D.
Henry R. Viets, M.D.
Charles A. McDonald, M.D.
G. Colket Caner, M.D.
Charles S. Kubik, M.D.
Madelaine R. Brown, M.D.
Edwin M. Cole, M.D.
Augustus S. Rose, M.D.
*Robert S. Schwab, M.D.

### *Consulting Psychiatrists*

Stanley Cobb, M.D.
Jacob E. Finesinger, M.D.
Kenneth J. Tillotson, M.D.
Helene Deutsch, M.D.
Erich Lindemann, M.D.
Charles S. Kubik, M.D.
R. Barry Bigelow, M.D.
Mandel E. Cohen, M.D.
Marianna Taylor, M.D.

### *Consulting Pediatricians*

Allan M. Butler, M.D.
Richard S. Eustis, M.D.
Joseph Garland, M.D.
Edward S. O'Keefe, M.D.
Arthur Bates Lyon, M.D.
Eli C. Romberg, M.D.
Warren R. Sisson, M.D.
Richard C. Tefft, Jr., M.D.
*Leo B. Burgin, M.D.
Ralph W. Daffinee, M.D.
Ralph A. Ross, M.D.
Nathan B. Talbot, M.D.
William J. Turtle, M.D.

---

* On leave of absence because of military service.

### *Consulting Surgeons*

Arthur W. Allen, M.D.
*Edward D. Churchill, M.D.
Leland S. McKittrick, M.D.
Ernest M. Daland, M.D.
Henry C. Marble, M.D.
*A. William Reggio, M.D.
Horace K. Sowles, M.D.
Edward L. Young, M.D.
Edward B. Benedict, M.D.
Oliver Cope, M.D.
*Henry H. Faxon, M.D.
E. Parker Hayden, M.D.
Robert R. Linton, M.D.
*Langdon Parsons, M.D.
*Horatio Rogers, M.D.
Reginald H. Smithwick, M.D.
Richard H. Sweet, M.D.
*Grantley W. Taylor, M.D.
Richard H. Wallace, M.D.
*Franklin G. Balch, Jr., M.D.
*Marshall K. Bartlett, M.D.
*Bradford Cannon, M.D.
*Ward I. Gregg, M.D.
Edward Hamlin, Jr., M.D.
*Champ Lyons, M.D.
*Somers H. Sturgis, M.D.
Richard Warren, M.D.
*Claude E. Welch, M.D.

### *Consulting Neurosurgeons*

*James C. White, M.D.
Jost Michelsen, M.D.

### *Consulting Orthopedists*

Marius N. Smith-Petersen, M.D.
Armin Klein, M.D.
William A. Rogers, M.D.
George W. Van Gorder, M.D.
*Joseph S. Barr, M.D.
*Edwin F. Cave, M.D.
Paul L. Norton, M.D.

### *Consulting Urologists*

Fletcher H. Colby, M.D.
*Richard Chute, M.D.
*Sylvester B. Kelley, M.D.
*Wyland F. Leadbetter, Jr., M.D.
*Fiorinde A. Simeone, M.D.
*Howard I. Suby, M.D.

### *Consulting Pathologists*

*Tracy B. Mallory, M.D.
*Francis T. Hunter, M.D.
Wyman Richardson, M.D.
Benjamin Castleman, M.D.
Ronald C. Sniffen, M.D.
Charles S. Kubik, M.D.
*Fathollah K. Mostofi, M.D.

### *Consulting Bacteriologist*

Louis Dienes, M.D.

### *Consulting Radiologists*

George W. Holmes, M.D.
*Aubrey O. Hampton, M.D.
*James R. Lingley, M.D.
Laurence L. Robbins, M.D.
*Richard Schatzki, M.D.
Milford D. Schultz, M.D.
Clayton H. Hale, M.D.
H. Peter Mueller, M.D.

---

* On leave of absence because of military service.

*Consultant in Contagious Diseases*
Edwin H. Place, M.D.

*Consultant in Preventive Medicine*
*John E. Gordon, M.D.

*Consultant in Pharmacology*
Otto Krayer, M.D.

## HOUSE STAFF

*Residents in Ophthalmology*

Harry E. Braconier, M.D.
Gaston N. Duclos, M.D.
E. Porter Jewett, Jr., M.D.
Albert N. Lemoine, Jr., M.D.
Richard J. Goduti, M.D.
Otto L. Zanek, M.D.
Robert J. Hansell, M.D.

*Chief Resident in Oto-Laryngology*
Donald K. Lewis, M.D.

*Residents in Oto-Laryngology*

John H. Thomas, M.D.
Richard T. Barton, M.D.
R. Wenner Machamer, M.D.
David K. Lovely, M.D.
John J. Ayash, M.D.
João C. Guimarães, M.D.
Charles M. Leconte, M.D.

---

* On leave of absence because of military service.

# Brief History of the Massachusetts Eye and Ear Infirmary

THE MASSACHUSETTS EYE AND EAR INFIRMARY had its inception in the latter part of 1824 when Dr. Edward Reynolds and Dr. John Jeffries established a free clinic for the treatment of the eye in a small room in the Scollay Building situated in what is now the center of Scollay Square. It is the second oldest institution of its kind in the United States, the New York Eye and Ear Infirmary having been founded in 1820.

In the first sixteen months nearly 900 patients were treated, and so successful was the undertaking that in March, 1826, with the aid of friends, a public subscription was started and the Boston Eye Infirmary was formed. In 1827 it was formally incorporated as the Massachusetts Charitable Eye and Ear Infirmary (changed to the Massachusetts Eye and Ear Infirmary in 1924) and shortly moved to larger quarters at the corner of Court and Tremont Streets. The Infirmary was open from 12 to 1 o'clock for gratuitous treatment of the eye and ear. In 1827 there were reported 583 cases of eye diseases and 98 of ear diseases. The receipts were $473.62 and the expenses $333.62.

By 1836 the Infirmary was so well known that one-third of the patients came from outside of Boston and 153 towns and cities were represented. Owing to the increase in the number of patients, the Infirmary was removed in 1936 to the Salisbury Building on Summer Street, and three years later the Gore mansion on Green Street near Bowdoin Square was purchased. To enable the Infirmary to do this, the Commonwealth gave $5,000 and an additional grant of $2,000 a year, for five years. Here for the first time ward patients could be accommodated to the number of twenty. Previously they had been placed in boarding houses in the neighborhood. Facilities were provided for a school of observation, as it was called, for medical students and Dr. Jeffries gave a course of lectures at the Infirmary which was followed by lectures for six successive years by Dr. Reynolds at the Tremont Medical School. Daily clinics for students were held.

By 1849 the Gore mansion had become too small to take care of the increasing number of patients, in that year 2,000. With the aid of a generous grant from the Commonwealth and funds raised by subscriptions, property on Charles Street near Cambridge Street was purchased and a new Infirmary built and dedicated in 1850. Later a wing was added. In 1871 the Ear Department was organized and by 1876 the patients in that department numbered 2,250.

The first Charles Street building, which had housed the Infirmary for over fifty years, proved inadequate, and the Out-Patient Department was much over-crowded, with an average weekly attendance of 1,200. With the aid of a grant from the Commonwealth of $100,000, the present site was purchased and the building was completed in March, 1899. Since the last Constitutional Convention the Infirmary cannot by law receive any grant from the Commonwealth. Social Service was instituted in 1907. The Gardner Building for the treatment of contagious diseases of the eye was added shortly and in 1909 a separate building was built for the Pathological Laboratory. In the same year a Nurses' Home was built on the site of the old Infirmary, to house 94 people, and later the space formerly occupied by nurses in the Infirmary was changed into a private ward. A school for graduate and affiliated nurses which gives special training in the care of diseases of the eye, ear, nose and throat is maintained.

In the year 1922 the Laryngological Department of The Massachusetts General Hospital was granted the use of beds in the Infirmary and became a department of that institution as far as its house work was concerned.

In 1925 the surgeons of the Aural and Laryngological departments appear in one group as Oto-Laryngologists.

January 1st, 1928, the Laryngological Out-Patient Department of The Massachusetts General Hospital was taken over by the Infirmary and the relations of the Aural Department with the Laryngological Department became very close. At the same time the Out-Patient Department, though still operated by the Infirmary, was joined with that of The Massachusetts General Hospital in the new building built by the latter.

Part of the space formerly occupied by the Out-Patient Department was taken for the Howe Laboratory of Ophthalmology. This was made possible through the generosity of the late Dr. Lucien Howe, who gave $250,000 towards a fund of $500,000 given to Harvard College, the income to be used for Research work. The balance of the space was given over to the Research Laboratory of the Ear, Nose and Throat Department, the X-Ray Department and the Lucien Howe Library of Ophthalmology.

Last year the Infirmary took care of 4,139 people in the public wards, 1,997 in the private ward and there were 70,595 visits to the Out-Patient Department. The active staff numbers 87, of which 24 are in the military service and there are 225 paid employees.

# Report of the President

On behalf of the Board of Managers of the Massachusetts Eye and Ear Infirmary, I beg to present the One Hundred and Nineteenth Annual Report, being for the year 1944. Each year on account of war conditions the operation of the Infirmary becomes increasingly difficult. One third of the Staff is in Service and it is impossible to maintain anywhere near an adequate number of nurses and other employees. In November the number of employees authorized was 265 and the actual number of employees was 175 with 7 on part time. The number of nurses, orderlies and attendants authorized on December 31, was 110; total employed 71. When to this is added the difficulty of obtaining supplies, one can get some conception of the handicaps under which we have been operating. The Gardner ward was closed in September due to lack of patients and the tonsil ward remained closed on account of lack of nurses. The situation in regard to the Resident House Officers has improved due to the restoration of the two-year term of service and appointment of women and men not eligible for military service. As the men are discharged from Service we must be prepared to continue the medical education of those who have had only a limited period of internship or who need refresher courses.

In spite of the many difficulties we have been able to take care of the usual number of patients and maintain the many other activities of the Infirmary at their customary high standards. This has been accomplished largely due to the devoted loyalty of the Staff and Employees, and to the valuable and unselfish assistance given by members of the Consulting Staff in the Out-Patient Department, Red Cross Voluntary Nurses' Aides, and Red Cross Gray Ladies. To all of these the Managers are deeply grateful. On behalf of the Managers I wish to express our deep gratitude to the members of the Ladies' Visiting Committee and other volunteers whose devoted service has conduced so greatly to the comfort of the patients.

Without a careful reading of the reports of the various departments which have functioned as usual and with even greater effect, is it possible to appreciate the volume of work which has been carried on at the Infirmary. The Howe Laboratory has continued its very valuable work in connection with the Armed Forces.

The number of patients treated in the Public Wards was about the same as in the year before but due to better financial situation of the patients the receipts were larger. The number of patients in the Private Wards was somewhat larger, while the number of patients in the Out-Patient Department was about the same, with the same percentage of free patients in the combined departments of The Massachusetts General Hospital and the Infirmary.

Due to increased wages and salaries, even with an allotment of $20,000 from the Greater Boston United War Fund the Infirmary incurred a deficit of over $8,000 although the receipts were larger than usual. The year before it was $15,000. With deferred maintenance estimated at $20,000, and with many fewer employees than are needed, the situation is indeed serious. Certainly after the war it seems as if it would be impossible to operate the Infirmary without a very dangerous deficit. The Infirmary badly needs more space and a modernizing of the present facilities. Plans are being drawn for these improvements and additions which are absolutely needed, and we are making plans for raising a building fund as we cannot with safety take this money from our invested capital.

During the year the Infirmary lost by death Dr. Francis P. Emerson, Consulting Aural Surgeon, associated with the Infirmary since 1906; Dr. Fred M. Spalding, Consulting Ophthalmic Surgeon, associated with the Infirmary since 1899; Dr. Henry H. Haskell, Consulting Ophthalmic Surgeon, associated with the Infirmary since 1893; and Dr. Ralph A. Hatch, Consulting Ophthalmic Surgeon, associated with the Infirmary since 1908.

The Managers wish to record their deep appreciation of the devotion of the Staff, Employees, and the many volunteers without whose services the Infirmary could not successfully have carried on during this difficult year.

R. G. Fessenden
*President*

## RESOLUTION

Russell Green Fessenden, President of the Massachusetts Eye and Ear Infirmary, was born in Boston on October 21, 1869 and died on February 11, 1945.

He had been a Manager of the Infirmary for fifty-three years and served as its President for the past sixteen years.

During all of these years Russell Fessenden has given constant attention and wise judgment to the administration of the Hospital. He leaves it with a distinguished reputation in the community in which it serves, and with an organization which will long endure. Its financal position has become firmly established under his wise guidance. The officers and employees of the Infirmary will long remember his unfailing courtesy and kindness to all.

RESOLVED: That we, his friends and associates on the Board of Managers, here give permanent expression to a deep sense of our loss and of the loss to the Infirmary.

# Report of the Treasurer

## BALANCE SHEET

December 31, 1944

### ASSETS

| | | |
|---|---|---|
| Land and buildings—book value | | $ 491,741.99 |
| Investments—book value: | | |
| Securities | $2,124,921.26 | |
| Interest in parcel of real estate | 1.00 | 2,124,922.26 |
| Cash on hand: | | |
| Capital Account | 129,635.69 | |
| Income Account | 5,380.85 | 135,016.54 |
| Accounts Receivable: | | |
| Patients (less reserve) | 8,054.76 | |
| Miscellaneous | 14,059.37 | 22,114.13 |
| Inventories of supplies | | 17,428.08 |
| TOTAL ASSETS | | $2,791,223.00 |

### FUNDS AND LIABILITIES

| | |
|---|---|
| General Fund | $1,495,306.28 |
| Permanent Funds—Income Restricted | 362,592.74 |
| Permanent Funds—Income Unrestricted | 914,717.18 |
| Special Purpose Funds | 11,961.61 |
| Unexpended Restricted Income | 5,380.85 |
| Advances from patients | 1,264.34 |
| TOTAL FUNDS AND LIABILITIES | $2,791,223.00 |

## INCOME ACCOUNT

*For the year ended December 31, 1944*

| | | | |
|---|---|---|---|
| Hospital Income per Director's report | | | $394,661.87 |
| LESS: | | | |
| Hospital Operating Expenses per Director's report | | $530,317.26 | |
| Hospital Operating Expenses charged directly against Winthrop Fund | | 5,810.24 | |
| | | 536,127.50 | |
| DEDUCT: | | | |
| Hospital Operating Expenses chargeable against funds: | | | |
| Special Purpose Funds | $22,542.53 | | |
| Restricted Funds | 5,077.18 | 27,619.71 | |
| Net Hospital Expenses | | | 508,507.79 |
| EXCESS OF HOSPITAL EXPENSES OVER HOSPITAL INCOME | | | $113,845.92 |
| Income from Investment Securities, less income applicable to Restricted Funds not expended | | $ 83,884.20 | |
| Receipts from Community Federation of Boston, Committee of the Permanent Charity Fund, Inc., Estates of Elisha V. Ashton, Albert N. Blodgett, Charles G. Green, and G. Gorham Peters and contributions for general purposes (excluding contributions for special purposes) | | 25,008.78 | |
| | | 108,892.98 | |
| LESS: | | | |
| Treasurer's Expenses | | 4,571.73 | 104,321.25 |
| EXCESS OF EXPENDITURES OVER INCOME ACCOUNT | | | $ 9,524.67 |

HORACE W. FROST
*Treasurer*

PATTERSON, TEELE AND DENNIS
*Auditors*

## INVESTMENT SECURITIES

*December 31, 1944*

### U. S. GOVERNMENT

| BONDS | |
|---|---|
| $50,000 | U. S. A. Treasury Notes Ser. "B" taxable 1½% December 15, 1946 |
| 25,000 | U. S. A. Treasury Bond Taxable 2% September 15, 1951 |
| 50,000 | U. S. A. Savings Bond Ser. "G" Reg. Taxable 2½% June 1, 1953 |

| | |
|---|---|
| 25,000 | U. S. A. Savings Bond Ser. "G" Reg. Taxable 2½% June 1, 1954 |
| 40,000 | U. S. A. Treasury Bond 2% June 15, 1954 |
| 26,000 | U. S. A. Treasury Bond Taxable 2½% March 15, 1954 |
| 25,000 | U. S. A. Savings Bond Ser. "G" Reg. Taxable 2½% February 1, 1955 |
| 32,000 | U. S. A. Treasury Bond Taxable 2¼% June 15, 1955 |
| 30,000 | U. S. A. Treasury Bond Taxable 2½% March 15, 1958 |
| 36,000 | U. S. A. Treasury Bond 2¾% June 15, 1963 |
| 27,500 | U. S. A. Treasury Bond Taxable 2½% September 15, 1972 |

## Canadian Government

| | |
|---|---|
| $20,000 | Canada, Dominion of 3¼% January 15, 1961 |
| 25,000 | Canada, Dominion of 3% November 15, 1968 |
| 5,000 | Canada, Dominion of 3% January 15, 1958 |

## Rails

| | |
|---|---|
| $20,000 | Albany & Susquehanna Railroad Reg. 3½s 1946 |
| 20,000 | Atchison, Topeka & Sante Fe Railway Co. General 4s 1995 |
| 20,000 | Atlantic Coast Line Railroad "A" 4½s 1964 |
| 5,000 | Boston & Maine Railroad 1st RR 4s 1960 |
| 12,500 | Boston & Maine Railroad Income "A" 4½s 1970 |
| 10,000 | Chesapeake & Ohio Railway Company General 4½s 1992 |
| 10,000 | Delaware & Hudson Company 4s 1963 |
| 10,000 | Erie Railroad Company 1st Consolidated "B" 4s 1995 |
| 10,000 | Great Northern Railway Company General 3¾s 1967 |
| 15,000 | Jacksonville Terminal Company Ref & Ext "A" 5s 1967 |
| 15,000 | Lake Shore & Michigan Southern Rwy Co. Reg. 3½s 1997 |
| 10,000 | Louisiana & Arkansas Rwy "A" 5s 1969 |
| 7,000 | Louisville & Jeffersonville Bridge Company 4s 1945 |
| 10,000 | Michigan Central Railroad Company 1st 3½s 1952 |
| 20,000 | Missouri Pacific Railroad Company 1st and Refunding C/D 5s 1977 |
| 15,000 | Northern Pacific Railway Co. Gen. Lien & Land Grant 3s 2047 |
| 15,000 | Pennsylvania Railroad Company 4¼s 1981 |
| 10,000 | Southern Pacific Railroad Company 1st Ref. 4s 1955 |
| 20,000 | Southern Pacific Company 4½s 1969 |

## Utilities

| | |
|---|---|
| $20,000 | American & Foreign Power Co. 5s 2030 |
| 10,000 | American Telephone & Telegraph Company 3¼s 1966 |
| 15,000 | Bell Telephone Company of Canada 5s 1960 |
| 10,000 | Chicago City Railway Company C/D 1st 5s 1927 |
| 10,000 | Cincinnati Gas & Electric Company 1st 3½s 1967 |
| 10,000 | Continental Gas & Electric Co. 5s 1958 |
| 10,000 | Hudson & Manhattan Railroad Company 5s 1957 |
| 15,000 | Jersey City, Hoboken and Paterson Street Rwy Co. 1st 4s 1949 |
| 20,000 | Montana Power Company 1st and Refunding 3¾s 1966 |

| | |
|---|---|
| 15,000 | New England Power Association 5½s 1954 |
| 20,000 | Puget Sound Power and Light Co. 1st 4¼s 1972 |
| 19,000 | Safe Harbor Water Power Corporation 1st 4½s 1979 |
| 15,000 | Southern Bell Telephone & Telegraph Co. 3¼s 1962 |
| 15,000 | Virginia Electric & Power Company 1st and Refunding 3½s 1968 |
| 10,000 | Western Union Telegraph Company 5s 1960 |

### INDUSTRIALS

| | |
|---|---|
| $ 9,000 | Armour & Company 1st S.F. Ser. "E" 3¼s 1964 |
| 15,000 | Bethlehem Steel Corporation 3¼s 1959 |
| 15,000 | Cities Service Co. Conv Deb 5s 1950 |
| 10,000 | Crucible Steel Co. of America 3¼s 1955 |
| 13,000 | International Paper Company 1st and Refunding 5s 1947 |
| 14,000 | National Steel Corporation 3s 1965 |
| 19,000 | Shell Union Oil Corporation 2½s 1954 |

### SUNDRY

| | |
|---|---|
| $15,000 | Adams Express Company Collateral 4s 1948 |

### COMMON

| STOCKS | |
|---|---|
| 500 shares | Amerex Holding Corporation |
| 300 shares | American Can Company |
| 410 shares | American Telephone & Telegraph Company |
| 400 shares | Atchison, Topeka & Santa Fe Rwy Co. |
| 660 shares | Bankers Trust Company |
| 500 shares | Borden Company |
| 400 shares | Boston Edison Company |
| 100 shares | Boston Real Estate Trust |
| 200 shares | Central Hanover Bank and Trust Company |
| 200 shares | Chemical Bank and Trust Company |
| 600 shares | Commonwealth Edison Company |
| 200 shares | Consolidated Gas, Electric Light & Power Co. of Baltimore |
| 25 shares | Dwelling House Associates |
| 150 shares | Eastman Kodak Company |
| 200 shares | Firemans Fund Insurance Company |
| 500 shares | The First National Bank of Boston |
| 1200 shares | General Electric Company |
| 400 shares | General Motors Corporation |
| 600 shares | Great Northern Railway Company Preferred |
| 150 shares | Guaranty Trust Company of New York |
| 300 shares | Hartford Fire Insurance Company |
| 116 shares | International Business Machines Corporation |
| 200 shares | International Harvester Company |
| 100 shares | Liggett & Myers Tobacco Company |
| 200 shares | Liggett & Myers Tobacco Company Common "B" |
| 400 shares | Loews Incorporated |

| | |
|---|---|
| 100 shares | Ludlow Manufacturing & Sales Company |
| 500 shares | Phillips Petroleum Company |
| 300 shares | Phoenix Insurance Company of Hartford |
| 400 shares | Procter & Gamble Company Common |
| 400 shares | Safeway Stores, Inc. Common |
| 200 shares | Sears Roebuck and Company |
| 600 shares | Standard Oil Company of New Jersey |
| 550 shares | Sun Oil Company |
| 500 shares | Swift & Company |
| 180 shares | Tacoma Transit Company |
| 500 shares | Texas Company |
| 300 shares | Torrington Company, Maine |
| 400 shares | Union Carbide & Carbon Corporation |
| 250 shares | Union Pacific Railroad Company |
| 200 shares | United Fruit Company |
| 200 shares | United Shoe Machinery Corporation |
| 200 shares | United States Gypsum Company |
| 200 shares | United States Smelting, Refining & Mining Company |

### PREFERRED

| | |
|---|---|
| 200 shares | Cleveland Electric lluminating Company $4.50 preferred |
| 300 shares | Commonwealth & Southern Corporation $6.00 Cum Pfd |
| 250 shares | Connecticut Light & Power Company $2.20 Preferred |
| 200 shares | Consolidated Edison Company of New York $5.00 Preferred |
| 100 shares | Eastern Massachusetts Street Railway 1st Pfd "A" |
| 100 shares | Electric Bond & Share Company $6.00 Preferred |
| 250 shares | Engineers Public Service Co. $5.50 Cum Preferred |
| 50 shares | Engineers Public Service Co. $5.00 Conv Preferred |
| 200 shares | International Paper Co. Cum Conv $5.00 Preferred |
| 200 shares | Southern Railway Company $5.00 Non Cum Preferred |
| 300 shares | United States Steel Corporation 7% Cum Pfd |

### SECURITIES HELD FOR WEBER FUND

| BONDS | |
|---|---|
| $ 100 | U. S. A. Savings Bond Ser "G" Reg Taxable 2½% February 1, 1955 |
| 9,000 | U. S. A. Savings Bond Ser "G" Reg Taxable 2½% March 1, 1955 |

### SECURITIES HELD FOR WINTHROP FUND

#### U. S. GOVERNMENT

| | |
|---|---|
| $5,000 | U. S. A. Treasury Note Ser "A" Taxable 1½% September 15, 1948 |

#### RAILS

| | |
|---|---|
| $3,000 | Atlantic Coast Line RR 1st Cons 4s July 1, 1952 |
| 3,000 | Delaware & Hudson Company 1st and Refunding 4% May 1, 1963 |
| 3,000 | Southern Pacific Railroad Co. 1st Ref 4% January 1, 1955 |

#### UTILITIES

| | |
|---|---|
| $3,000 | Columbia Gas and Electric Deb "A" 5% January 15, 1961 |
| 3,000 | Continental Gas and Electric Deb "A" 5% February 1, 1958 |

## Securities Held for Winthrop Fund

BONDS

### Industrials

| | |
|---|---|
| $3,000 | Crucible Steel Company of America 1st 3¼% December 1, 1955 |

### Common

STOCKS

| | |
|---|---|
| 40 shares | Atchison, Topeka & Sante Fe Rwy Company, Common |
| 200 shares | Commercial Investment Trust, Common |
| 100 shares | New Jersey Zinc Company |
| 20 shares | Union Pacific Railroad Company, Common |

*The Managers gratefully acknowledge receipt of the following legacies during the year 1944:*

| | |
|---|---|
| Estate of Mrs. Fannie Moorhead Blanchard<br>Additional, making a total of $7,404.61 | $ 254.61 |
| Estate of Miss Minnie Ward Brett<br>Final distribution, making a total of $27,668.52 | 7,668.52 |
| Estate of Jere A. Downs | 15,000.00 |
| Estate of Lucy H. Eaton<br>Additional, making a total of $63,400 | 450.00 |
| Estate of Charles G. Green<br>Final distribution of the trust established under his will, making a total of $42,483.75 | 6,269.73 |
| Bequest under Will of Elmina M. Melanson<br>To establish a Permanent Fund, income only to be used for treatment of glaucoma cases. | 6,313.30 |
| Estate of Agnes A. Riley | 3,000.00 |
| Estate of Edward O. Seccomb | 1,000.00 |
| Estate of Mrs. Alice E. Sias | 25,000.00 |
| Estate of Elizabeth R. Stevens<br>Additional, making a total of $545,794.11 | 2,578.49 |
| Estate of Edmund Q. Sylvester | 1,000.00 |

| | |
|---|---|
| Building Fund<br>Gift of William Storer Eaton | 2,000.00 |
| Italian Memorial Fund<br>Established through the efforts of Dr. Gerardo B. Balboni. Income only to be used:<br>1. For the care of patients with cancer of the throat.<br>2. For research into the cause and cure of cancer.<br>3. Then in any other way that the Managers may decide. | 1,025.00 |
| F. Ward Paine Fund<br>Income only to be used and to be spent as the Managers may decide, but preferably for patients afflicted with glaucoma or detached retina, or for research in connection with these two diseases of the eye. | 10,000.00 |
| Fund for Research for Pathological Laboratory<br>Gift of J. Edgar Pew<br>Mrs. Mabel Pew Myrin<br>Miss Mary Ethel Pew<br>J. Howard Pew<br>J. N. Pew, Jr.<br>Mrs. Martha Layng Pew<br>to be applied under the direction of Dr. T. L. Terry for making a study to find the cause and if possible the cure for blindness occurring to certain prematurely born babies. | $35,000.00 |
| Winthrop Fund<br>Gift of Mr. Frederic Winthrop to establish a fund for scientific research into the causes of deafness and the medical and surgical means for its relief and cure. | 50,000.00 |
| Anonymous gift to the Winthrop Fund | 100.00 |
| Neal Rantoul Fund<br>Additional gift of Mr. Neal Rantoul, making a total of $28,037.50 | 10,350.00 |
| Alumni Fund<br>Additional, making a total of $1,538.16 | 690.00 |
| George Strong Derby Memorial Fund<br>Additional, making a total of $13,070.10 | 5.00 |
| The John and Martha Lawrence Fund<br>Additional, making a total of $11,633.78 | 1,300.00 |

# PERMANENT FUNDS—INCOME RESTRICTED

| | | |
|---|---|---|
| 1876 | Bequest under Will of Miss Susan P. Gray<br>Income to be applied to the relief and assistance of poor patients of the Infirmary. | $ 1,000.00 |
| 1882 | Berkshire Fund<br>Gift of Zenas M. Crane to establish a free bed to be known as the "Berkshire Bed," and to be used by preference by patients coming from Pittsfield, Massachusetts, or the adjacent locality. | 5,000.00 |
| 1889 | Bequest under Will of Elisha T. Loring<br>Income to be applied for the benefit of destitute patients. | 3,500.00 |
| 1898 | John W. and Belinda L. Randall Fund<br>Income, so far as practical, to be used to increase and diffuse knowledge in relation to health and disease of the eye and ear. | 30,000.00 |
| 1898 | The Frederick E. Weber Fund<br>Bequest under the will of Frederick E. Weber to be designated "The Frederick E. Weber Fund." One-half of the net income of the Fund and of its accumulations in each year shall each year be expended for the charitable purposes of the Infirmary. | 9,334.27 |
| 1899 | The Theodore Chase Memorial Fund<br>Gift of Mrs. Theodore Chase to establish "The Theodore Chase Memorial Fund." Income to be used for books and magazines for aural patients. | 2,500.00 |
| 1901 | Aural Surgeons' Fund<br>Gift of Dr. Clarence J. Blake to provide a fund to be known as the "Aural Surgeons' Fund." Income to be spent by the Surgeons only in the Aural Department. | 16,227.18 |
| 1901 | Bequest under Will of Henry Saltonstall<br>Annual income to be applied in equal shares to the Aural and Ophthalmic Departments. | 10,000.00 |
| 1909 | Bequest under Will of Frederick R. Sears<br>Income to be used in any way that may add to the happiness and comfort, or that may tend to lighten the weary hours, of those unfortunates who may be afflicted with diseases of the eye, by rendering assistance to the families of such as are deserving and | 20,000.00 |

poor, and by providing such extra comforts to them and their families as may seem proper to the officers of the Infirmary.

| | | |
|---|---|---|
| 1912 | The Fund for the Maintenance of the Gardner Building<br>Gift of Mr. Shepherd Brooks | 22,519.06 |
| 1912 | Social Service Fund<br>Gift of Mrs. Shepherd Brooks. | 5,000.00 |
| 1914/15 | Bequest under Will of William S. Hills<br>Income only to be used for free patients. | 10,000.00 |
| 1916 | Bequest under Will of Mitchell A. Dearborn<br>Income to be used for Social Service work. | 1,000.00 |
| 1923 | Willam F. Watson Free Bed Fund<br>Bequest under will of Catherine E. Watson to establish a free bed in the Aural Department, to be known as the "William F. Watson Free Bed." | 6,000.00 |
| 1928 | Mary Lowell Stone Fund<br>Gift of Miss E. F. Munroe to establish a fund to be designated the "Mary Lowell Stone Fund," income to be used for needy, deserving patients. | 2,450.00 |
| 1932/44 | George Strong Derby Memorial Fund<br>Income to be applied annually under the direction of the Board of Surgeons and the Board of Managers to continue the work of Doctor Derby along medical-social service lines. | 13,070.10 |
| 1938 | Bequest under Will of Charlotte S. Sprague<br>For the endowment of a free bed in memory of Elizabeth J. Ward, the occupancy of said bed to be designated by the Rector of Emmanuel Church in Boston. | 10,000.00 |
| 1941/42 | Henry Clay Jackson Fund<br>Gift by the Trustees of the Paul Wilde Jackson Trust to establish a fund to be known as the "Henry Clay Jackson Fund," income only to be used to help children afflicted or threatened with deafness. | 59,459.87 |
| 1943/44 | Neal Rantoul Fund<br>Gift of Mr. Neal Rantoul to establish a fund to be known as the Neal Rantoul Fund, the income only of which is to be used exclusively for the purpose of furthering the investigation of the causes of deafness | 28,037.50 |

| | | |
|---|---|---|
| | in children and in adults, and to provide assistance and treatment for the relief and amelioration of deafness, by medical, surgical or mechanical means. | |
| 1944 | WINTHROP FUND<br>Gift of Mr. Frederic Winthrop to establish a fund for scientific research into the causes of deafness and the medical and surgical means for its relief and cure. | 45,277.29 |
| 1944 | F. WARD PAINE FUND<br>Permanent fund to be known as the F. Ward Paine Fund, the income only to be used and to be spent as the Managers may decide, but preferably for patients afflicted with glaucoma or detached retina, or for research in connection with these two diseases of the eye. | 10,000.00 |
| 1944 | FUND FOR RESEARCH FOR PATHOLOGICAL LABORATORY<br>Gift of J. Edgar Pew<br>Mrs. Mabel Pew Myrin<br>Miss Mary Ethel Pew<br>J. Howard Pew<br>J. N. Pew, Jr.<br>Mrs. Martha Layng Pew<br>to be applied as a Fund for Research for Pathological Laboratory under the direction of Dr. T. L. Terry for making a study to find the cause, and if possible the cure, for blindness occurring to certain prematurely born babies. | 29,679.76 |
| 1944 | BUILDING FUND | 2,027.47 |
| 1944 | BEQUEST UNDER WILL OF ELMINA M. MELANSON<br>Income only to be used for the treatment of glaucoma cases. | 6,313.30 |
| 1944 | ITALIAN MEMORIAL FUND<br>Established through the efforts of Dr. Gerardo M. Balboni. Income only to be used—<br>1. For the care of patients with cancer of the throat.<br>2. For research into the cause and cure of cancer.<br>3. Then in any other way that the Managers may decide. | 1,025.00 |
| 1938/44 | THE JOHN AND MARTHA LAWRENCE FUND<br>Established by the Ladies' Visiting Committee. | 11,633.78 |
| 1943/44 | ALUMNI FUND<br>Established by the Alumni Association of the Massachusetts Eye and Ear Infirmary. | 1,538.16 |

## PERMANENT FUNDS—INCOME UNRESTRICTED

| | | |
|---|---|---|
| 1850 | Bequest under Will of John Bromfield | $10,000.00 |
| 1871 | Joy Fund<br>Bequest under will of Miss Nabby Joy to be designated the "Joy Fund." | 10,000.00 |
| 1882 | Nathaniel Thayer Fund<br>Gift of Mr. Nathaniel Thayer to be known as the "Nathaniel Thayer Fund." | 54,570.00 |
| 1887 | Perkins Fund<br>Bequest under will of Richard Perkins to be known as the "Perkins Fund." | 10,000.00 |
| 1890 | Ellen M. Gifford Fund<br>Bequest under will of Mrs. Ellen M. Gifford to be called the "Ellen M. Gifford Fund." | 5,000.00 |
| 1891 | Bequest under Will of J. Huntington Wolcott | 1,500.00 |
| 1895 | Bequest under Will of Samuel E. Sawyer | 2,382.20 |
| 1896/97 | Ann White Vose Fund | 18,591.54 |
| 1898 | Bequest under Will of Henry L. Pierce | 20,000.00 |
| 1907 | Adelaide Le Compte Spalding Fund<br>Gift of Francis D. Le Compte in memory of Adelaide LeCompte Spalding. | 25,000.00 |
| 1912 | Julia M. Moseley Fund | 6,190.47 |
| 1915 | Bequest under Will of Harriet Otis Cruft | 10,000.00 |
| 1921 | Bequest under Will of Clara B. Kimball | 1,050.00 |
| 1921 | Charles Frederick Smith Fund<br>Bequest under will of Charles Frederick Smith to be known as the "Charles Frederick Smith Fund." | 8,663.00 |
| 1923 | Bequest under Will of Harriet S. Hazeltine | 13,000.00 |
| 1924/36 | Bequest under Will of Joseph B Glover | 28,936.58 |
| 1924 | Anna P. Rogers Fund<br>Bequest under will of Anna P. Rogers to be known as the "Anna P. Rogers Fund." | 10,000.00 |

| | | |
|---|---|---|
| 1927 | Alice-Lee Thomas Stevenson Fund<br>Gift of Robert H. Stevenson, Jr. to establish a fund to be known as the "Alice-Lee Thomas Stevenson Fund." | 10,000.00 |
| 1927 | Charles C. Ely Fund | 5,000.00 |
| 1927 | Dr. E. H. Bradford Fund<br>Gift of Mrs. Edith Fiske Bradford in memory of her husband to establish a fund to be known as the "Dr. E. H. Bradford Fund." | 1,000.00 |
| 1927 | Levina B. Urbino Fund<br>Bequest under will of Samson R. Urbino to establish a fund to be known as the "Levina B. Urbino Fund" | 500.00 |
| 1927 | Walter C. Lewis Fund | 25,000.00 |
| 1931 | Henry A. Page Fund<br>Bequest under will of Ellen Page Hall to be known as the "Henry A. Page Fund." | 30,000.00 |
| 1931/32 | George C. Pierce Fund<br>Bequest under will of Merrill L. Pierce to be known as the "George C. Pierce Fund." | 34,251.95 |
| 1931/44 | Bequest under Will of Elizabeth R. Stevens | 545,794.11 |
| 1934 | Bequest under Will of Hannah Hathaway Kimball | 1,000.00 |
| 1935 | Henry Clay Jackson Fund<br>Gift by the Trustees of the Paul Wilde Jackson Trust to be known as the "Henry Clay Jackson Fund." | 25,500.00 |
| 1936/39 | George W. Butterfield Fund<br>Bequest under will of Helen C. Butterfield to be known as the "George W. Butterfield Fund." | 1,009.19 |
| 1942/43 | Bequest under Will of Charles H. Beverly | 778.14 |

# UNRESTRICTED BEQUESTS

| | | |
|---|---|---|
| 1914 | Allen, Caroline B. | $ 5,000.00 |
| 1942 | Allen, Perry O.<br>"In honor of Jessie Adell Allen Phelps" | 1,000.00 |
| 1930 | "Anonymous," from a patient of Dr. George S. Derby | 2,000.00 |
| 1941 | Applebee, Mrs. Louie G. | 500.00 |
| 1905 | Appleton, Emily W. | 2,000.00 |
| 1892 | Ashton, Elisha Vinton<br>Annual income from a trust established under his will. | |
| 1859 | Austin, Mrs. Agnes | 1,000.00 |
| 1914 | Bartlett, Francis | 10,000.00 |
| 1889 | Bartlett, Sidney | 5,000.00 |
| Prior to 1835 | Belknap, Jeremiah | 1,000.00 |
| Prior to 1835 | Belknap, Miss Mary | 1,000.00 |
| Prior to 1835 | Belknap, Sarah | 1,500.00 |
| 1930 | Bernstein, William | 100.00 |
| 1942 | Berry, George Y. | 200.00 |
| 1900/02 | Billings, Robert C. | 50,000.00 |
| 1938/41 | Bird, Harriet E. | 31,650.05 |
| 1929 | Black, George Nixon | 10,000.00 |
| 1943/44 | Blanchard, Mrs. Fannie Moorhead | 7,404.61 |
| 1873 | Blanchard, John A. | 1,000.00 |
| 1926 | Blodgett, Albert N.<br>Annual income from a trust established under his will. | |
| 1906 | Bolton, William T. | 552.22 |
| 1871 | Bordman, M. A. | 100.00 |
| 1910 | Boyd, George William | 5,000.00 |
| 1898/41 | Bradlee, Josiah Putnam | 267,361.24 |
| 1914/27 | Bradstreet, Mrs. Charlotte A. | 23,273.50 |
| 1942/44 | Brett, Miss Minnie Ward | 27,668.52 |
| 1934 | Brewster, William | 10,000.00 |
| 1941 | Briggs, Mrs. Clara H. | 3,000.00 |
| 1924 | Brigham, Robert B.<br>Annual income from a trust established under his will. | |
| 1936/38 | Brooks, Martha H. | 11,070.73 |
| 1885 | Brooks, Mrs. Susan O. | 1,000.00 |
| 1930 | Brown, Miss Annie H. | 20,000.00 |
| 1845 | Brown, John | 200.00 |
| 1902/03 | Browne, Edward I. | 10,000.00 |

| | | |
|---|---|---|
| 1904 | Center, Joseph H. | 1,000.00 |
| 1896 | Cheney, Benjamin P. | 2,000.00 |
| 1898 | Colburn, Eliza Ann | 5,000.00 |
| 1938 | Comee, Miss Lillian M. | 200.00 |
| 1933/42 | Cook, George Green | 6,598.98 |
| 1939 | Crosby, Mary Celia | 2,000.00 |
| 1938/39 | Crowell, Mary Louise | 12,582.41 |
| 1934 | Curtis, Louis | 2,500.00 |
| 1923 | Cushing, Herbert B. | 1,000.00 |
| 1877 | Dalton, Delia | 50.00 |
| 1861 | Dalton, P. R. | 500.00 |
| 1873 | deRohbinder, Elise | 87.50 |
| 1929 | Dix, John H. | 50.00 |
| 1944 | Downs, Jere A. | 15,000.00 |
| 1933/44 | Eaton, Lucy H. | 63,400.00 |
| 1933/39 | Eaton, Mary Agnes | 3,750.92 |
| 1929 | Eaton, William | 500.00 |
| 1923 | Estabrook, Arthur F. | 10,000.00 |
| 1925 | Estabrook, Mrs. Ida F. | 10,000.00 |
| 1904 | Farlow, John S. | 2,500.00 |
| 1933/34 | Field, Edward B. | 500.00 |
| 1940 | Gardner, George Peabody | 10,000.00 |
| 1896 | Glover, Albert | 1,000.00 |
| 1902 | Glover, Joseph B. | 5,000.00 |
| 1901 | Goddard, Rebecca A. | 500.00 |
| 1929/30 | Goldsmith, Benjamin H. | 1,824.67 |
| 1886/87 | Goldsmith, Mrs. Sophia P. | 759.84 |
| 1844 | Gossler, Gustavus | 1,000.00 |
| 1884 | Gray, Miss Ann E. | 1,000.00 |
| 1924/44 | Green, Charles G. | 42,483.75 |
| 1863 | Greene, B. D. | 2,000.00 |
| 1941 | Grout, Mrs. Zira R. | 5,000.00 |
| 1898 | Hagerty, Peter F. | 2,556.25 |
| 1941/43 | Haines, Alfred E. | 9,247.68 |
| 1874 | Hammond, Daniel | 509.17 |
| 1904 | Hayden, Charles H. | 50,000.00 |
| 1933 | Hazlett, John P. | 2,500.00 |
| 1884 | Homer, Albert | 60.50 |
| 1871 | Homer, Sidney | 1,000.00 |
| 1879 | Hovey, G. O. | 2,000.00 |
| 1873/74 | Hudson, Benjamin | 22,308.97 |
| 1889 | Hunt, Moses | 1,000.00 |
| 1940 | Hurd, Charles Russell | 500.00 |
| 1853 | Ingersoll, James | 1,000.00 |
| 1836 | Jackson, Miss Sarah | 600.00 |
| 1871 | Joy, Miss Nabby | 5,000.00 |

| | | |
|---|---|---|
| 1926 | Kimball, Miss Lulu S. | 3,000.00 |
| 1896 | Kimball, Moses | 5,000.00 |
| 1912 | Lamson, Miss Catherine M. | 2,000.00 |
| 1879/91 | Lane, Miss Henrietta | 7,114.71 |
| 1871 | Lawrence, Abbott | 1,500.00 |
| 1858 | Lawrence, Mrs. Susan | 500.00 |
| 1875 | Lee, Rebecca | 1,000.00 |
| 1868 | Loring, Mrs. Abigail | 5,017.33 |
| 1900 | Lowell, Augustus | 10,000.00 |
| 1909 | Lyman, Florence | 7,811.46 |
| 1939 | Mace, Marjorie J. | 1,000.00 |
| 1942 | Mann, Thomas D. | 100.00 |
| 1935 | McCrossen, Patrick H. | 25.00 |
| 1878 | McGregor, James | 1,000.00 |
| 1907 | Merriam, Charles | 5,000.00 |
| 1912 | Morse, Mrs. Samuel T. | 500.00 |
| 1940 | Morss, John Wells | 10,000.00 |
| 1924/30 | Moseley, Mrs. Frances A. | 31,782.50 |
| 1844 | Munson, Israel | 3,000.00 |
| 1943 | Murray, Mrs. Sarah Ella | 2,000.00 |
| 1935/39 | Newcomb, Miss Lucy | 976.25 |
| 1900/03 | Parker, Elizabeth P. | 27,220.16 |
| 1845 | Parker, John | 5,000.00 |
| 1924 | Parkman, Henry | 2,500.00 |
| 1935 | Parlin, Albert Norton, Trustees under Will<br>Free Bed Fund | 25,000.00 |
| 1838 | Payne, William C. | 10,000.00 |
| 1940 | Peavy, Silas<br>Free Bed Fund | 1,000.00 |
| 1929 | Perkins, Isabella S. | 5,000.00 |
| 1900 | Peters, Edward D. | 500.00 |
| 1939 | Peters, G. Gorham<br>Annual income from a trust established under his will. | |
| 1860 | Phillips, Jonathan | 5,000.00 |
| 1863/64 | Pickens, John | 863.38 |
| 1941 | Pierce, Clara F. | 933.33 |
| 1906/07 | Potter, Sarah E. | 88,330.50 |
| 1878 | Powars, Eliza | 2,000.00 |
| 1915/27 | Pratt, Sarah E. | 2,988.34 |
| 1871 | Read, James | 500.00 |
| 1880 | Reynolds, J., legacy received through | 100.00 |
| 1944 | Riley, Mrs. Agnes A. | 3,000.00 |
| 1927 | Riley, William J. | 5,000.00 |
| 1939 | Ross, Ellen H.<br>"In name and memory of my sister, Mary E. Haven." | 5,000.00 |

| | | |
|---|---|---|
| 1912 | Rotch, Arthur | 14,326.30 |
| 1903 | Ruggles, Mrs. Mary Louisa | 3,000.00 |
| 1911/13 | Rust, Nancy E. | 2,640.00 |
| 1887/88 | Scholfield, Ann | 4,250.00 |
| 1891 | Scholfield, Joseph | 2,500.00 |
| 1942 | Sears, Herbert M. | 2,000.00 |
| 1944 | Seccomb, Edward O. | 1,000.00 |
| 1918 | Sewall, Richard Black | 25,000.00 |
| 1944 | Sias, Mrs. Alice E. | 25,000.00 |
| 1930 | Smith, Miss Ellen Vose | 29,793.70 |
| 1936 | Sohier, Emily L.<br>"To be added to the George Strong Derby Memorial Fund." | 3,000.00 |
| 1887 | Somes, Miss Abby | 5,000.00 |
| 1920 | Spencer, Aaron W. | 2,000.00 |
| 1925 | Sweeney, Christopher F. | 50.00 |
| 1894 | Sweetser, Mrs. Anne M. | 1,000.00 |
| 1884 | Swett, Mrs. Mary W. | 2,000.00 |
| 1944 | Sylvester, Edmund Q. | 1,000.00 |
| 1874 | Templeton, John | 5,000.00 |
| 1897 | Thayer, Mrs. Cornelia V. R. | 10,000.00 |
| 1942 | Thomas, John P. | 50.00 |
| 1923/28 | Thompson, Joseph | 3,761.09 |
| 1897 | Tileston, Charles | 2,797.30 |
| 1941 | Tucker, Lena A. | 5,000.00 |
| 1896 | Turner, Mary B. | 2,000.00 |
| 1921 | Upton, George B. | 5,000.00 |
| 1881 | Upton, Mrs. George B. | 500.00 |
| 1924 | Vialle, Charles A | 3,000.00 |
| 1920 | Vose, Abbie T. | 1,014.90 |
| 1914 | Wadleigh, Horace W. | 2,000.00 |
| 1845 | Waldo, Daniel | 6,000.00 |
| 1934 | Welton, John C. | 4,000.00 |
| 1916 | Wheelwright, John W. | 2,000.00 |
| 1902 | White, Susan J. | 10,000.00 |
| 1942 | Williams, Miss Emma Frances | 1,000.00 |
| 1935 | Willson, Mary A. | 3,000.00 |
| 1934 | Wilson, Mrs. Annie C. | 1,002.19 |
| 1912 | Wolcott, Mrs. Harriet Frothingham | 5,532.00 |
| 1932 | Woods, Henry D. | 5,000.00 |
| 1897 | Wyman, Thomas T. | 20,000.00 |

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| | | |
|---|---|---|
| 1895 | Kettell, Catherine H.<br>Gift "In Memory of Louisa C. Kettell" | 300.00 |
| 1927/29 | One Hundredth Anniversary Campaign Fund | 406,107.80 |

# GIFTS FOR SPECIAL PURPOSES

## Received During 1944

| | | |
|---|---|---|
| Fund for Christmas | | |
| George A. Parker, Trustees | | $ 100.00 |
| Fund for Clinic for the Deaf | | |
| Mr. T. C. Haffenreffer | $ 300.00 | |
| Anonymous | 1,000.00 | 1,300.00 |
| Fund for Dr. Mosher's Laboratory | | |
| Wallace & Tiernan Products, Incorporated | $3,000.00 | |
| Miss Frances Dwight | 95.00 | |
| Samuel Cline, M.D. | 100.00 | |
| Anonymous | 2,500.00 | 5,695.00 |
| Fund for Occupational Therapy | | |
| Ladies' Visiting Committee | $ 475.00 | |
| Mrs. Richard Cary Curtis | 100.00 | 575.00 |
| Fund for Special Aid to Patients of Dr. Robert L. Goodale | | |
| Miss Charlotte Peirce | | 100.00 |
| Fund in memory of Blanche P. Griffin toward furnishing a private room | | |
| Everett E. Griffin | | 100.00 |
| Permanent Charity Relief Fund | | |
| Committee of the Permanent Charity Fund, Inc. | | 500.00 |
| Social Service Fund—Overseers Cases | | |
| Boston Council of Social Agencies | | 125.79 |
| Special Fund for Research—Pathological Laboratory | | |
| Beulah Cushman, M.D. | $ 25.00 | |
| Francis L. Burns, M.D. | 100.00 | |
| Mrs. William Mitchell | 75.00 | |
| Mrs. Frederick N. English, Jr. | 8.00 | |
| Isabel Gibby, M.D. | 5.00 | |
| Daniel B. Kirby, M.D. | 50.00 | |
| Mr. and Mrs. Milton Goldberg | 200.00 | |
| Frank Dinnutt | 15.00 | |
| Mrs. Cassell | 10.00 | |

| | | |
|---|---|---|
| Mr. and Mrs. George Ritchie | 150.00 | |
| Clyde Barrows | 25.00 | |
| Mr. and Mrs. David Crohan | 10.00 | |
| Miss Phyllis Barrows | 25.00 | |
| The Doudeks | 100.00 | |
| Lt. and Mrs. Richard C. Chapman | 20.00 | |
| Mr. and Mrs. B. G. Henault | 10.00 | |
| Mrs. John Crohan | 5.00 | |
| Mrs. Mary Smith | 30.00 | |
| Ivan Black | 25.00 | |
| Mrs. Lewis T. Noble | 40.00 | $ 928.00 |
| Special Fund to be used under direction of Dr. F. L. Weille in the Ear, Nose and Throat Department | | |
| Miss Amelia Peabody | | 200.00 |
| Special Research Otosclerosis Fund | | |
| Miss Sally Levin | $ 50.00 | |
| J. Shulman | 500.00 | |
| Miss Rosalie Liebman | 100.00 | |
| Miss Ida Finkelstein | 200.00 | |
| G. Herbert Beavers, M.D. | 500.00 | 1,350.00 |
| Nelson E. Weeks Fund | | |
| Committee of the Permanent Charity Fund, Inc. | | 750.00 |
| | | $11,723.79 |

# Report of the Ladies' Visiting Committee

It gives me pleasure to report that the members of the Ladies' Visiting Committee have taken a more personal interest in the Infirmary during the year 1944 than ever before. We have had one Nurses' Aid working at the Infirmary and three Gray Ladies twice a week. Others have given a day or two a week making beds, feeding patients, arranging linen and helping in the wards generally.

Our most useful contribution was, perhaps, the furnishing of the new Occupational Therapy room on the top of the Infirmary. Mrs. Olsen's choice of furniture and gay colors have made the room most attractive and a pleasure to patients and personnel who wish to rest and relax for a few minutes.

During the year we have also given new furniture for the rest room for the girls in the office and have, I hope, succeeded in making that little room more useful and comfortable. Individual members of the Committee have added a rug, a picture, a mirror and a lamp.

As usual we have contributed the daily and Sunday papers and two magazines for the Nurses' Home. We have given $250 for buying material to carry on the work of the Occupational Therapy Department. We helped Mrs. Olsen with her Open House and Tea in the old room and provided money for the refreshments.

One of our members gave four maple chairs to the Nursery and others gave books and dolls for Christmas. Presents were bought and wrapped by the Committee for all the patients in the Infirmary on Christmas Day and we gave fruit and nuts for the Nurses' dining room. We also put a spray of Christmas greens over the front door outside and many lovely plants were sent to the Infirmary by members of our Committee.

The John and Martha Lawrence Fund has now reached $11,000 and I hope will continue to grow, but as each year it becomes more and more difficult to collect rummage for our sale we are not too optimistic about the results for the coming year. We hope that the Board of Managers, the Staff, and all the friends of the Infirmary will save for us all the salable articles they wish to dispose of.

HELEN M. SARGENT
*Chairman, Ladies' Visiting Committee*

# Report of the Director

To the Managers:

Herewith I submit the report for the year 1944 and my tenth report as Director.

The clinical departments of the Infirmary have on the whole, operated smoothly and efficiently in spite of the decreased staff and the shortage of nurses, attendants and other employees. The number of patients, the type of diseases, the number of operations have remained about the same.

The most important happenings of the year seem to have occurred in what may be termed the auxiliary departments.

Occupational Therapy was moved to the pent-house on the Infirmary roof, which gave it more room, better light and more attractive quarters. Miss Wade who had guided its destinies for 19 years, resigned to take an important position in Connecticut and Mrs. Anne M. Olsen her Assistant, was placed in charge. An advisory committee was appointed.

The activities of the Social Service Department are set forth in Mrs. Wilson's interesting report, which clearly shows how this department, and in fact everything connected with medicine, must accommodate itself to changing needs.

Particular attention is called to Dr. Cogan's report of the Howe Laboratory as a still more striking example of the shifting of activity from one field to another. Nothing could be more outside the expected normal functioning of an ophthalmological research laboratory than the work that has been carried on here for the Navy in the development of optical instruments. The work on the effects of gases on the eye is more in keeping. We are told that it all has been helpful to the war effort. That some scientific work has been carried on is evidenced by the award of the Warren Prize of The Massachusetts General Hospital to Dr. Cogan and his associates Dr. Kinsey and Mr. Hirsch, for their final work on "Some Physiological Studies on the Cornea", a study continued for several years.

From the Administration standpoint several events are worth recording. The metric system was adopted, effective October 1, for all weights and measures, as more exact and in keeping with scientific medicine. However the Fahrenheit system of thermometer reading was retained.

A readjustment of salaries for nurses and most of those employees who had not already been changed from a cash maintenance system to a straight cash salary was planned, effective January 1st, 1945. A few of the older nurses elected to remain on the older plan, but the change was welcomed by most. This necessitated a reorganization of the dining room as a pay cafeteria with a greater choice of foods either on a table d'hoté or á là carte basis which seems to be appreciated by all.

Besides the regular clinical laboratory work carried on by the Mosher and Pathological Laboratories, the studies on deafness sponsored by the Winthrop Fund, the development of operative treatment of oto-sclerosis, the relief of deafness by artificial aids by the Jackson and Rantoul Fund in the Clinic for the Deaf and the continuation of Dr. Terry's studies on retrolental fibroplasia of premature infants sponsored by the Pew Fund, may be mentioned as some of the activities of the Infirmary Staff.

The addition of more private rooms, the provision of new operating rooms, the enlargement of laboratories and residents' quarters were recognized as needs long ago, but which the outbreak of the war necessarily postponed. Although the war seems far from ended we are hopefully preparing plans.

It is obvious that post war graduate teaching will be an important activity as soon as doctors begin to be discharged from the Army and Navy. Many will have entered service with only limited internships and will want to continue their education in their chosen specialty. Others will want refresher courses to bridge the gap between military and civilian medicine. These two activities will keep the Staff and Administration busy for many months.

This year is also notable by reason of the loss of 7 employees, 2 by death and 5 by resignation, whose service ranged from 16 to 26 years. Each has left the impression of their personalities upon the Infirmary and all will be missed by those who knew them.

The number of patients in Gardner Ward remains about the same as last year. The nursing care given the patients in this isolation ward continues to be of prime importance in the treatment of this special type of eye disease.

| Year | Trachoma | Eye Gonorrheal | Eye Non-Gonorrheal | Ear, Nose and Throat | Other Infections | Total |
|---|---|---|---|---|---|---|
| 1943 | 8 | 11 | 61 | 122 | 74 | 276 |
| 1944 | 5 | 8 | 55 | 128 | 80 | 275 |

## CHANGES IN STAFF

*Deaths:*

Dr. Francis P. Emerson, Consulting Aural Surgeon, January 19, 1944.

Dr. Fred M. Spalding, Consulting Ophthalmic Surgeon, January 24, 1944

Dr. Henry H. Haskell, Consulting Ophthalmic Surgeon, February 14, 1944.

Dr. Ralph A. Hatch, Consulting Ophthalmic Surgeon, April 1, 1944.

Miss Mary F. Hayden, R.N., Head Nurse Ear Clinic 1921-1943, died August 8, 1944. She will be remembered for her efficient running of the Ear Clinic, her patience with the House Officers and Visiting Staff, her keen interest in the welfare of the patients, her loyalty and devotion to duty.

Mrs. Rose Brennan Garvey, Maid in Doctors' Flat 1923-1944, died November 15, 1944. Rose mothered many generations of House Officers both at the Infirmary and at The General. She did the housework of the "Flat"; picked up the cluttered rooms, ever tolerant of the weaknesses of "her boys".

*Resignations:*

Dr. John G. Adams, Clinical Assistant in Oto-Laryngology, September 18, 1944.

Dr. Raymond G. Ingalls, Senior Clinical Assistant in Ophthalmology, November 20, 1944.

Dr. Elmer H. Gillespie, Clinical Assistant in Oto-Laryngology, December 13, 1944.

Miss Winifred M. Glidden, Clerk Information Desk 1921-1944. Miss Glidden presided over the Information Desk for 23 years. Think of the thousands of persons whom she met and helped, doctors and nurses seeking other doctors and nurses, bewildered patients, worried relatives: every one gravitates to the Information Desk. Whoever sits there must have boundless tact and sympathy for human foibles. Twenty-three years of service speaks for itself as to her virtue.

Miss Helen K. Wade, Director Occupational Therapy 1925-1944. Occupational Therapy before World War I was a small seed planted and tendered by a few enthusiasts. Thereafter it grew and its work established it not only in hospitals for chronic diseases but also in those caring for acute illnesses. In 1925 Miss Wade started O.T. at the Infirmary. Tolerated at first, under her guidance it slowly established itself on a permanent basis. Miss Wade left reluctantly to take up more responsible work in broader fields.

Mrs. Margaret MacDonald, Book-keeper 1922-1944. For 22 years Mrs. MacDonald counted the pennies and kept the accounts and the statistics of the Infirmary. The intricacies of hospital accounting are appreciated only by those who deal with them, such as Managers, Directors and those like Mrs. MacDonald who have to prepare these reports. Faithful, competent, she will be greatly missed and long remembered.

Mrs. Ellen McCann, Head Nurse X-Ray Department 1918-1944. For 26 years Mrs. McCann took x-rays, explained x-rays, soothed fearful patients and irritable doctors. The strain finally told and she resigned in September. It will be hard to duplicate her efficiency, devotion and length of service.

Mrs. Ada Messenger, Librarian, Lucien Howe Library of Ophthalmology 1928-1944. A librarian must be a quiet person since libraries must be quiet places. For 16 years Mrs. Messenger counted the books, chased the delinquent, helped with references and kept order and quiet in the Howe Library.

Miss Marian Ashman, Dietitian, resigned September 4, 1944.

Miss June Thompson, Therapeutic Dietitian, resigned October 1, 1944.

Gifts are acknowledged from: The Ladies' Visiting Committee, Dr. and Mrs. V. H. Kazanjian, Mr. Charles P. Curtis, Mr. and Mrs. Richard Cary Curtis, Mrs. Allen Greenwood, Mr. Everett E. Griffin, The Needlework Guild of America, Metropolitan Chapter American Red Cross, Dr. and Mrs. Theodore L. Terry, Mrs. Larz Anderson and Mr. William Mudock.

The Director again expresses his appreciation of the work of the members of the Ladies' Visiting Committee who have not only carried on the traditional activities of that Committee, but many of whom have individually served as volunteers in many humble tasks. Without their aid and other volunteers and part time workers, it would have been impossible to have carried on.

## OUR NEEDS

1. Money to build a new wing to provide new and up-to-date operating rooms, more private rooms, increased laboratory space and a teaching amphitheater. Plans are being prepared; the cost $500,000.
2. Increased endowment. Again I repeat what has been said in the last two Annual Reports because it is worth repeating until the endowment is doubled. "Blindness and deafness are calamities which effect both the individual and the community. They lessen or eliminate the self-supporting powers of the individual and thus in many instances place the burden of support upon the community. The Massachusetts Eye and Ear Infirmary is the outstanding institution in New England where diagnosis and treatment for these crippling conditions can be carried out and where research for preventive or curative measures can be most hopefully supported."

Nathaniel W. Faxon, M.D.
*Director*

# STATEMENT SHOWING SALARIES, SUPPLIES AND EXPENSES

## *For the 12 months ending December 1944*

| SALARIES AND WAGES | Grand Total | Public Ward | Private Ward | Infirmary Total | Out-Patient Department |
|---|---|---|---|---|---|
| Administration and General: | | | | | |
| Administrative | $ 48,169.60 | $ 31,544.11 | $ 6,839.50 | $ 38,383.61 | $ 9,785.99 |
| Household and Property: | | | | | |
| Housekeeping | $ 25,219.21 | $ 16,498.27 | $ 2,841.83 | $ 19,340.10 | $ 5,879.11 |
| Operation of Plant | 7,950.79 | 6,929.11 | 1,021.68 | 7,950.79 | |
| Maintenance and Repair | 4,222.47 | 2,132.89 | 1,414.23 | 3,547.12 | 675.35 |
| Laundry | 13,555.98 | 13,555.98 | | 13,555.98 | |
| Nurses' Home | 6,218.48 | 6,218.48 | | 6,218.48 | |
| Other Personnel Quarters | 1,029.00 | 1,029.00 | | 1,029.00 | |
| Dietary | 23,947.52 | 21,762.15 | 2,192.96 | 23,955.11 | 7.59 |
| Total Household and Property | $ 82,143.45 | $ 68,125.88 | $ 7,470.70 | $ 75,596.58 | $ 6,546.87 |
| Professional Care of Patients: | | | | | |
| Medical-Surgical Care | $ 15,198.24 | $ 12,555.76 | $ 2,532.48 | $ 15,088.24 | $ 110.00 |
| Nursing Care | 62,467.69 | 36,624.79 | 18,100.87 | 54,725.66 | 7,742.03 |
| School of Nursing | 3,496.01 | 2,949.37 | 546.64 | 3,496.01 | |
| Medical Records | 17,815.81 | 8,828.07 | 1,171.44 | 9,999.51 | 7,816.30 |
| Howe Library | 147.45 | 46.65 | 100.80 | 147.45 | |
| Social Service | 17,563.12 | 17,563.12 | | 17,563.12 | |
| Total Professional Care of Patients | $116,688.32 | $ 78,567.76 | $22,452.23 | $101,019.99 | $ 15,668.33 |
| Professional Care of Patients—Special: | | | | | |
| Operating Room | $ 10,766.86 | $ 7,009.73 | $ 3,757.13 | $ 10,766.86 | |
| Anesthesia | 4,610.59 | 3,800.54 | 810.05 | 4,610.59 | |
| X-Ray | 7,723.66 | 2,081.26 | 620.76 | 2,702.02 | 5,021.64 |
| Laboratories: | | | | | |
| Pathological | 8,025.49 | 6,448.33 | 1,253.40 | 7,701.73 | 323.76 |
| Mosher | 4,751.86 | 4,118.62 | 456.00 | 4,574.62 | 177.24 |
| Howe | 163.30 | 163.30 | | 163.30 | |
| Dental Hygienist | 423.81 | 423.81 | | 423.81 | |
| Occupational Therapist | 3,227.56 | 3,227.56 | | 3,227.56 | |
| Optical | 7,970.67 | | | | 7,970.67 |
| Refractionists | 8,347.14 | | | | 8,347.14 |
| Animal Farm | 385.72 | 385.72 | | 385.72 | |
| Total Professional Care of Patients—Special | $ 56,396.66 | $ 27,658.87 | $ 6,897.34 | $ 34,556.21 | $ 21,840.45 |
| Total Salaries and Wages | $303,398.03 | $205,896.62 | $43,659.77 | $249,556.39 | $ 53,841.64 |
| SUPPLIES AND EXPENSES | | | | | |
| Administration and General: | | | | | |
| Administrative | $ 35,291.79 | $ 17,606.39 | $ 2,426.77 | $ 20,033.16 | $ 15,258.63 |
| Household and Property: | | | | | |
| Housekeeping | $ 5,930.19 | $ 3,375.06 | $ 1,633.76 | $ 5,008.82 | $ 921.37 |
| Operation of Plant | 15,314.78 | 9,710.19 | 1,564.44 | 11,274.63 | 4,040.15 |
| Maintenance and Repair | 1,369.86 | 663.93 | 658.68 | 1,322.61 | 47.25 |
| Laundry | 3,464.73 | *301.32* | 3,522.38 | 3,221.06 | 243.67 |
| Nurses' Home | 2,888.14 | *62.30* | 2,770.44 | 2,708.14 | 180.00 |
| Other Personnel Quarters | 1,240.28 | 1,183.62 | | 1,183.62 | 56.66 |
| Dietary | 48,769.78 | 26,592.66 | 21,346.10 | 47,938.76 | 831.02 |
| Total Household and Property | $ 78,977.76 | $ 41,161.84 | $31,495.80 | $ 72,657.64 | $ 6,320.12 |
| Professional Care of Patients: | | | | | |
| Medical-Surgical Care | $ 10,394.81 | $ 8,984.36 | $ 1,380.45 | $ 10,364.81 | $ 30.00 |
| Nursing Care | 894.11 | 593.56 | | 593.56 | 300.55 |
| School of Nursing | 496.87 | 496.87 | | 496.87 | |
| Medical Records | 2,338.80 | 1,090.62 | 221.16 | 1,311.78 | 1,027.02 |
| Howe Library | 368.85 | 212.97 | 155.88 | 368.85 | |
| Social Service | 5,368.62 | 5,368.62 | | 5,368.62 | |
| Pharmacy and Drugs | 37,314.01 | 8,238.50 | 1,931.00 | 10,169.50 | 27,144.51 |
| Total Professional Care of Patients | $ 57,176.07 | $ 24,985.50 | $ 3,688.49 | $ 28,673.99 | $ 28,502.08 |
| Professional Care of Patients—Special: | | | | | |
| Operating Room | $ 12,227.64 | $ 9,209.60 | $ 3,018.04 | $ 12,227.64 | |
| Anesthesia | 59.56 | 53.96 | 5.60 | 59.56 | |
| X-Ray | 5,064.08 | 1,412.00 | 401.76 | 1,813.76 | 3,250.32 |
| Laboratories: | | | | | |
| Pathological | 9,219.95 | 9,025.91 | 154.20 | 9,180.11 | 39.84 |
| Mosher | 4,284.34 | 3,914.50 | 266.28 | 4,180.78 | 103.56 |
| Howe | 305.21 | 305.21 | | 305.21 | |
| Massachusetts General Laboratories | 3,604.25 | 2,683.77 | 920.48 | 3,604.25 | |
| Occupational Therapy | 506.17 | 506.17 | | 506.17 | |
| Optical | 19,933.15 | | | | 19,933.15 |
| Animal Farm | 3.26 | 3.26 | | 3.26 | |
| Total Professional Care of Patients—Special | $ 55,207.61 | $ 27,114.38 | $ 4,766.36 | $ 31,880.74 | $ 23,326.87 |
| Inventory Adjustments etc.: | | | | | |
| Breakage etc. storeroom | $ 137.42 | $ 137.42 | | $ 137.42 | |
| Cost of Supplies sold | 128.58 | 128.58 | | 128.58 | |
| Total Inventory Adjustments etc. | $ 266.00 | $ 266.00 | | $ 266.00 | |
| Total Supplies and Expenses | $226,919.23 | $111,134.11 | $42,377.42 | $153,511.53 | $ 73,407.70 |
| Total Salaries, Supplies and Expenses | $530,317.26 | $317,030.73 | $86,037.19 | $403,067.92 | $127,249.34 |

Total charged to Special Funds included in above $22,414.81

# *Income Statement for the* 12 *months ending December* 31, 1944

| | Total 1943 | Total 1944 | Public Ward | Private Ward | Infirmary Total | Out-Patient Department |
|---|---|---|---|---|---|---|
| GROSS EARNINGS AT STANDARD RATES | | | | | | |
| Day Rate Service | $204,737.62 | $214,440.78 | $145,394.03 | $69,046.75 | $214,440.78 | ........ |
| Special Services: | | | | | | |
| Operating Room | $ 34,403.50 | $ 34,902.50 | $ 24,354.00 | $10,548.50 | $ 34,902.50 | ........ |
| Anesthesia | 2,178.40 | 2,801.00 | ........ | 2,801.00 | 2,801.00 | ........ |
| X-Ray Examinations | 27,380.51 | 30,691.55 | 8,741.38 | 6,421.76 | 15,163.14 | $ 15,528.41 |
| X-Ray Therapy | 1,349.95 | 1,737.02 | 402.02 | 434.00 | 836.02 | 901.00 |
| Laboratories: | | | | | | |
| Pathological | 1,182.50 | 811.50 | 474.00 | 337.50 | 811.50 | ........ |
| Mosher | 9,107.62 | 16,528.50 | 10,757.50 | 5,771.00 | 16,528.50 | ........ |
| Massachusetts General | 5,167.36 | 4,511.60 | 3,153.95 | 1,354.65 | 4,508.60 | 3.00 |
| Medical-Surgical Supplies | 4,724.74 | 6,982.83 | 5,063.55 | 1,919.28 | 6,982.83 | ........ |
| Special Nurses' Board | 1,418.00 | 758.85 | 64.47 | 694.38 | 758.85 | ........ |
| Telephone (Patients) | 326.92 | 331.15 | 268.45 | 62.70 | 331.15 | ........ |
| Emergency Ward | 4,842.45 | 4,691.49 | 4,691.49 | ........ | 4,691.49 | ........ |
| Optical | 49,178.30 | 49,898.93 | 1,001.26 | 305.65 | 1,306.91 | 48,592.02 |
| Refractions | 10,176.44 | 9,955.37 | 20.00 | 62.00 | 82.00 | 9,873.37 |
| Admission Fees | 39,742.39 | 39,504.48 | ........ | ........ | ........ | 39,504.48 |
| Pharmaceutical | 17,039.48 | 17,514.40 | ........ | ........ | ........ | 17,514.40 |
| Operating Room | 3,922.77 | 4,069.65 | ........ | ........ | ........ | 4,069.65 |
| Guests | 211.50 | 37.00 | ........ | 37.00 | 37.00 | ........ |
| Ambulance | 20.00 | ........ | ........ | ........ | ........ | ........ |
| Total Special Services | $212,272.83 | $225,727.82 | $ 58,992.07 | $30,749.42 | $ 89,741.49 | $135,986.33 |
| Total Gross Earnings* | $417,010.45 | $440,168.60 | $204,386.10 | $99,796.17 | $304,182.27 | $135,986.33 |
| Other Income: | | | | | | |
| Lunch Counter | $ 2,534.86 | ........ | ........ | ........ | ........ | ........ |
| Clinical Records | 669.88 | $ 592.78 | $ 379.50 | ........ | $ 379.50 | $ 213.28 |
| Telephone (Others) | 315.56 | 219.08 | 219.08 | ........ | 219.08 | ........ |
| Supplies Sold | 72.22 | 290.80 | 290.80 | ........ | 290.80 | ........ |
| Collections on Old Accts. & Bad Debts | 1,212.99 | 7,142.38 | 7,142.38 | ........ | 7,142.38 | ........ |
| Discounts on Purchases | 1,474.59 | 1,292.79 | 1,292.79 | ........ | 1,292.79 | ........ |
| Miscellaneous | 5,979.45 | 7,117.32 | 5,634.32 | ........ | 5,634.32 | 1,483.00 |
| Total Other Income | $ 12,259.55 | $ 16,655.15 | $ 14,958.87 | ........ | $ 14,958.87 | $ 1,696.28 |
| Total Gross Income | $429,270.00 | $456,823.75 | $219,344.97 | $99,796.17 | $319,141.14 | $137,682.61 |
| Deductions from Income: | | | | | | |
| Allowances to Patients | $ 57,108.03 | $ 54,779.08 | $ 31,433.16 | $ 143.45 | $ 31,576.61 | $ 23,202.47 |
| Bad Debts Charged Off | 6,195.96 | 7,382.80 | 7,382.80 | ........ | 7,382.80 | ........ |
| Total Deductions | $ 63,303.99 | $ 62,161.88 | $ 38,815.96 | $ 143.45 | $ 38,959.41 | $ 23,202.47 |
| Net Income | $365,966.01 | $394,661.87 | $180,529.01 | $99,652.72 | $280,181.73 | $114,480.14 |

| *Gross Earnings derived from following sources: | |
|---|---|
| (a) Accounts Receivable | $298,710.34 |
| (b) Out-Patient Department | 135,986.33 |
| (c) Emergency Ward etc. | 5,471.93 |
| | $440,168.60 |

## INCOME AND EXPENSE SUMMARY
### *For the Twelve Months ending December* 31, 1944

| | Grand Total | Public Ward | Private Ward | Infirmary Total | Out-Patient Department |
|---|---|---|---|---|---|
| Gross Income: | | | | | |
| Earnings | $440,168.60 | $204,386.10 | $99,796.17 | $304,182.27 | $135,986.33 |
| Other Income | 16,655.15 | 14,958.87 | ........ | 14,958.87 | 1,696.28 |
| Total Gross Income | $456,823.75 | $219,344.97 | $99,796.17 | $319,141.14 | $137,682.61 |
| Deductions from Income: | | | | | |
| Allowances to Patients | $ 54,779.08 | $ 31,433.16 | $ 143.45 | $ 31,576.61 | $ 23,202.47 |
| Bad Debts Charged Off | 7,382.80 | 7,382.80 | ........ | 7,382.80 | ........ |
| Total Deductions | $ 62,161.88 | $ 38,815.96 | $ 143.45 | $ 38,959.41 | $ 23,202.47 |
| Net Income | $394,661.87 | $180,529.01 | $99,652.72 | $280,181.73 | $114,480.14 |
| Operating Expenses | 530,317.26 | 317,030.73 | 86,037.19 | 403,067.92 | 127,249.34 |
| Operating Surplus or *Deficit* (52 weeks) | *$135,655.39* | *$136,501.72* | $13,615.53 | *$122,886.19* | *$ 12,769.20* |

## INCOME AND EXPENSE SUMMARY
### *For the Twelve Months ending December* 31, 1943

| | | | | | |
|---|---|---|---|---|---|
| Gross Income: | | | | | |
| Earnings | $417,010.45 | $196,819.90 | $87,067.22 | $283,887.12 | $133,123.33 |
| Other Income | 12,259.55 | 8,161.94 | ........ | 8,161.94 | 4,097.61 |
| Total Gross Income | $429,270.00 | $204,981.84 | $87,067.22 | $292,049.06 | $137,220.94 |
| Deductions from Income: | | | | | |
| Allowances to Patients | $ 57,108.03 | $ 33,437.23 | $ 437.55 | $ 33,874.78 | $ 23,233.25 |
| Bad Debts Charged Off | 6,195.96 | 6,195.96 | ........ | 6,195.96 | ........ |
| Total Deductions | $ 63,303.99 | $ 39,633.19 | $ 437.55 | $ 40,070.74 | $ 23,233.25 |
| Net Income | $365,966.01 | $165,348.65 | $86,629.67 | $251,978.32 | $113,987.69 |
| Operating Expenses | 505,437.76 | 296,497.92 | 81,370.76 | 377,868.68 | 127,569.08 |
| Operating Surplus or *Deficit* (52 weeks) | *$139,471.75* | *$131,149.27* | $ 5,258.91 | *$125,890.36* | *$ 13,581.39* |

## STATISTICS

*January* 1, 1944 *to January* 1, 1945

| Number of Patients: | *In Ward Jan. 1, 1944* | *Admitted* | *Treated* | *Remaining Dec. 31, 1944* |
|---|---|---|---|---|
| Public Wards: | | | | |
| Eye | 37 | 1,998 | 2,035 | 46 |
| Ear | 14 | 425 | 439 | 17 |
| Nose and Throat | 12 | 1,653 | 1,665 | 19 |
| Total | 63 | 4,076 | 4,139 | 82 |
| Private Ward: | | | | |
| Eye | 15 | 932 | 947 | 23 |
| Ear | 2 | 91 | 93 | 3 |
| Nose and Throat | 6 | 951 | 957 | 3 |
| Total | 23 | 1,974 | 1,997 | 29 |
| Total Public and Private Wards 1944 | 86 | 6,050 | 6,136 | 111 |
| Total Public and Private Wards 1943 | 95 | 6,015 | 6,110 | 86 |

| | *1944* | *1943* |
|---|---|---|
| *Number of days board furnished free Public Wards | 5,834 | 4,290 |
| *Number of days board paid at full rate Public Wards | 30,180 | 32,501 |
| | 36,014 | 36,791 |
| Number of days board paid in Private ward | 12,597 | 11,329 |
| Total number of patients' days | 48,611 | 48,120 |
| Average number of patients treated daily in Public Wards | 98 | 100 |
| Average number of patients treated daily in Private Ward | 34 | 31 |
| Average number of total patients treated daily | 132 | 131 |
| Average number of days patients remained in Public Wards | 8+ | 8+ |
| Average number of days patients remained in Private Ward | 6+ | 6+ |

---

*The number of days board paid at full rates is obtained by dividing the total amount of cash received from Public Ward patients, after sundry minor adjustments, by the prevailing rate — $4 a day. The rest of the number of days are reckoned as free.

## OPERATIONS

| | *1944* | *1943* |
|---|---|---|
| Public Ward: | | |
| Eye | 2,180 | 1,974 |
| Ear, Nose and Throat | 2,140 | 2,283 |
| Private Ward: | | |
| Eye | 686 | 680 |
| Ear, Nose and Throat | 753 | 725 |
| Total | 5,759 | 5,662 |

### *Per Capita Costs and Earnings per Day*

| | *1944* | *1943* |
|---|---|---|
| COSTS: | | |
| Not including special nurses, Public Wards | $8.18 | $8.06 |
| Not including special nurses, Private Ward | 6.83 | 7.18 |
| Not including special nurses, Public and Private Wards | 7.83 | 7.85 |
| Of food all persons | .50 | .52 |
| EARNINGS: | | |
| Not including special nurses, Public Wards | 5.22 | 4.66 |
| Not including special nurses, Private Ward | 7.91 | 7.64 |
| Not including special nurses, Public and Private Wards | 5.92 | 5.36 |
| On special fees, Public Wards (excluding board and special nurses) | 1.76 | 1.39 |
| On special fees, Private Ward (excluding board and special nurses) | 2.43 | 2.29 |

Public Ward patients were admitted at the following weekly rates: 12 at $42.00; 10 at $35.00; 137 at $33.25; 22 at $31.50; 3,426 at 28.00; 2 at $21.00; 1 at $20.00; 4 at $15.00; 93 at $14.00; 2 at $12.00; 11 at $10.50; 76 at less than $10.50; 280 at Free.

Private Ward patients were admitted at the following weekly rates: 1 at $66.00; 567 at $52.50; 46 at $38.50; 86 at $35.00; 1,274 at $31.50.

### *Condition of Public Ward Patients on Discharge*

| | *1944* | *1943* |
|---|---|---|
| Untreated | 0 | 0 |
| Against advice | 10 | 16 |
| Died | 21 | 27 |
| Otherwise discharged | 4,027 | 4,182 |
| Autopsies | 41% | 24% |

| Patients' Days Treatment (Reckoned from discharge payments): | | *1944* | | *1943* |
|---|---|---|---|---|
| Paying patients | 67% | 24,450½ | 57% | 20,966½ |
| Part paying patients | 17% | 6,059 | 26% | 9,591 |
| Free patients | 16% | 5,599½ | 17% | 6,349½ |
| Total | | 36,109 | | 36,907 |

| | *1944* | | *1943* | |
|---|---|---|---|---|
| *Beds Available* | | *Occupancy %* | | *Occupancy %* |
| Public Wards | 143 | 64% | 143 | 65% |
| Tonsil Ward | 16 | 16% | 16 | 24% |
| Gardner Ward | 26 | 15% | 26 | 15% |
| Total Public Wards | 185 | 52% | 185 | 54% |
| Private Ward and Rooms | 42 | 80% | 42 | 73% |
| Total beds | 227 | | 227 | |

## OUT-PATIENT DEPARTMENT

| | *New Patients* | *Revisits* | *Total Visits* |
|---|---|---|---|
| Eye | 5,897 | 34,576 | 40,473 |
| Ear | 3,109 | 16,367 | 19,476 |
| Nose and Throat | 1,763 | 8,883 | 10,646 |
| Total | 10,769 | 59,826 | 70,595 |

| | *1944* | *1943* |
|---|---|---|
| Daily average | 234 | 239 |
| Patients treated in Emergency Ward | 4,715 | 4,471 |
| Percentage of free visits reckoned from total number of free visits The Massachusetts General Hospital and Massachusetts Eye and Ear Infirmary combined Out-Patient Department | 20% | 20% |

## OPERATIONS

| | *Local Anesthesia* | *General Anesthesia* |
|---|---|---|
| Eye | 699 | 27 |
| Ear | 0 | 304 |
| Throat | 690 | 0 |
| Total | 1,389 | 331 |

## COMPARATIVE TABLE OF ADMISSIONS

| | *Number of Patients Admitted to Wards* | *Total Patients' Days Treatment* | *Operations* | *Out-Patient Department Visits* |
|---|---|---|---|---|
| 1934 | 7,149 | 53,520 | 6,963 | 103,678 |
| 1935 | 7,273 | 53,917 | 6,878 | 99,680 |
| 1936 | 7,366 | 54,639 | 7,164 | 96,784 |
| 1937 | 7,316 | 53,855 | 7,233 | 101,403 |
| 1938 | 7,332 | 53,547 | 7,378 | 100,465 |
| 1939 | 7,376 | 53,908 | 7,244 | 100,861 |
| 1940 | 7,042 | 52,685 | 6,738 | 96,350 |
| 1941 | 6,702 | 50,769 | 6,450 | 89,678 |
| 1942 | 6,436 | 48,438 | 6,183 | 84,370 |
| 1943 | 6,015 | 48,120 | 5,662 | 72,370 |
| 1944 | 6,050 | 48,611 | 5,759 | 70,595 |

## INVENTORIES

| | *1945* | *1944* |
|---|---|---|
| Total Inventories for year | $17,428.08 | $18,749.92 |

# Report of the Department of Opthalmology

1944 HAS been a busy year in the Department of Ophthalmology. Through the number of admissions to the Out-Patient Department is still somewhat smaller than in former years, an increasing number of serious cases are referred to the Infirmary from various parts of New England. Due to the loyalty and cooperation of the Staff we have been able to keep up a high standard of service in the Out-Patient Department and in the House. The shortage of beds, particularly on the Private Floor, is a serious problem. The Admitting Office has done a good job in the matter and somehow always find a place for emergency admissions. Another fifty or seventy five beds on the Private Floor and twenty five on the Public Wards are urgently needed. The shortage of nurses has often been acute, but patients are, on the whole, surprisingly understanding and tolerant.

The Bacteriological Laboratory under the direction of Miss Anita Mangiaracine, has provided invaluable help in the diagnosis and treatment of some of the disorders of the lids, conjuctiva and cornea.

The Orthoptic Department under the direction of Miss Alice Scott, has made an important contribution to our work. Over 1,200 cases have been seen in this department for examination and treatment of motor anomalies. As a result of the work of the Orthoptic Department there has been a decided improvement in the treatment of disorders of the ocular muscles.

Due to ill health Dr. E. B. Goodall was forced to resign as Chief of the Wednesday Clinic and Dr. Merrill J. King is carrying on as Acting Chief. Dr. Goodall has given long and faithful service to the Infirmary and fortunately will still be able to help us out as Consulting Surgeon.

Commander E. B. Dunphy (MC), USNR, Chief of the Department of Ophthalmology, has returned to the United States after a tour of duty in the British Isles. He is now stationed at the Chelsea Naval Hospital and is fortunately available for consultation in the problems of the Department of Ophthalmology.

We regret to announce that Lt. Colonel Charles E. Walker, Jr., (MC) AUS, who served as a Resident in Ophthalmology from July 1933 to April 1935, died in Paris, France, on November 22, 1944.

Dr. Fred M. Spalding and Dr. Ralph A. Hatch, Consulting Surgeons in Ophthalmology, died during the year. Although both had retired from the Active Staff they returned to the Infirmary to help out in the war emergency.

Dr. Enrique Ortega, of Guayaquil, Ecuador, a Fellow of the Pan-American Congress of Ophthalmology and the W. H. Kellogg Foundation, served as Accessory Resident in Ophthalmology for six months.

The following emeritus members of the Staff have continued to give valuable help in the Out-Patient Department:

Hugo B. C. Riemer, M.D.
Edward K. Ellis, M.D.
Thomas H. Macdonald, M.D.

The following members of the Active Staff are still on duty with the Armed Forces:

Edwin B. Dunphy, Commander (MC), USNR
Virgil G. Casten, Commander (MC), USNR
Trygve Gundersen, Major (MC) AUS
Thomas Cavanaugh, Major (MC) AUS
S. Forrest Martin, Lieutenant Commander (MC) USNR
Earl S. Seale, Major, (MC) AUS
H. Frederick Stephens, Lieutenant Commander (MC) USNR
Garrett L. Sullivan, Major (MC) AUS
Lawrence R. Dame, Major (MC) AUS
Sumner L. Liebman, Captain (MC) AUS
Arthur M. Morrissey, Captain (MC) AUS
Linus A. Sheehan, Lieutenant (MC) AUS

In November 1943, it was voted to increase the term of the residency from one to two years. We have gone through the transition period and now all Residents are having a full two year service. We believe this increased term of residency is essential for adequate training in ophthalmology.

PAUL A. CHANDLER, M.D.
*Acting Chief of Ophthalmology*

# Report of the Refraction Room

THE refraction department continues to function as an important branch of the Eye Out-Patient Department. In 1944, 10,253+ patients or 23% of all persons seen in the Eye Clinic were subsequently tested for glasses.

| | | |
|---|---|---|
| Total patients refracted | 10,253+ | |
| Total patients refracted by House Officers | 4,277+ | or 42% |
| Total patients refracted by paid personnel | 5,976+ | or 58% |

### PERSONNEL:

The personnel includes at this time the entire House Officer Staff, one Visiting Fellow, one man awaiting his residency and eight paid members, six of whom are employed part time and two full time.

*Part time:*
A. E. Sloane, M.D.
E. Tiffany
C. Wood
W. Emmons
J. Gaidis
F. Brucker

*Full time:*
T. Farmer
K. Watson (Secretary)

### EQUIPMENT:

During the year 1944, we were able to procure the latest type of lensometer making possible certain measurements of lenses which was not possible with the old instrument. Two new trial frames were also obtained. When one considers the scarcity of such supplies during this wartime, one can properly evaluate the appreciation that the Refraction Room Staff feels.

### TEACHING:

(a) The weekly "Teaching Refraction Clinic" is now carried on every other month. The attendance and interest continues at a high level. Most of the cases discussed are published in the American Journal of Ophthalmology. We have experienced some difficulty in having all these cases recorded because of the wartime scarcity in secretarial services. For a time, it seemed that no sooner was one secretary trained to record the meeting in shorthand than she would leave.

(b) Each new House Officer and one Fellow from the Pan-American Congress of Ophthalmology-W. H. Kellogg Foundation, were trained to refract: Drs. Lemoine, Goduti, Zaneck, Hansell and Ortega.

There were no new changes inaugurated in the Refraction Room during the past year. We have had to put up with certain inconveniences and at times some overwork due to the conditions of war. However, we have been able to carry on without too much difficulty.

### PROGRAM FOR 1945:

We start the year with a good quota of refractionists. We hope to do our job well. It is difficult to visualize any radical departures since special equipment will probably not be available and it is still a time of "First Things First."

### ACKNOWLEDGEMENT:

The submitter wishes to express his appreciation for the fullest cooperation given him by all.

ALBERT E. SLOANE, M.D.
*Director, Department of Refraction*

# Report of the
# Department of Oto-Laryngology

THE activities of the Department of Otology and Laryngology have, in the past year, followed the pattern of the preceding two years, lack of personnel has reduced research to a minimum, and our major efforts have been devoted to the clinical care of the patient. Other than the shortage of nurses, the medical and surgical care of patients has maintained the high standard characteristic of the Massachusetts Eye and Ear Infirmary.

The following members of the Department of Otolaryngology are serving in the military forces:

Charles H. Allman, Commander (MC) USNR
David P. Cordray, Lieutenant Commander (MC) USNR
Joshua C. Drooker, Major (MC) AUS
John R. Frazee, Captain (MC) AUS
Frank Gavolio, Major (MC) AUS
Charles I. Johnson, Captain (MC) USNR
Joseph Lentine, Captain (MC) AUS
Donald H. MacDonald, Lieutenant Commander (MC), USNR
Lyman G. Richards, Lieutenant Commander (MC), USNR
Robert G. Snow, Captain (MC) AUS
Herman J. Sternstein, Lieutenant Commander (MC), USNR

As in the past two years, the absence of so many of our Staff puts a heavier load on those who remain, but this load has been cheerfully and gladly carried as a contribution to the all out war effort.

The research program of Dr. Lurie for the National Defense Council has been completed. The findings are still considered confidential. When the results of this research are released for publication, we can more fittingly congratulate Dr. Lurie and his co-workers for what has been a major contribution to Otology.

Dr. Philip E. Meltzer continues his studies of the fenestration operation. Two sets of experiments have been concluded, and

Dr. Dorothy Wolff has been assembling the data obtained from her studies of the experimental animals. Several more sets of experiments are in process of study and no report will be issued until these are completed.

The work done by the Winthrop group proved of such interest to Mr. Frederick Winthrop that instead of a yearly grant, he set up funds to carry the work on for ten years. The yearly budget has been set at $10,000 and the activities are limited to research as to the causes of and the medical and surgical treatment of deafness.

To carry on the social service of deafness, namely, the habilitation and rehabilitation of those afflicted with deafness, the selection of proper hearing aids, the teaching of lip reading and the re-education and correction of speech, friends of the Infirmary have contributed a total of $75,000, the income to be used in the "Clinic for the Deaf."

These activities are directed by an advisory board, consisting of Dr. D. Harold Walker, Dr. Harold G. Tobey, Dr. Philip E. Meltzer, Dr. Moses H. Lurie, and Dr. LeRoy A. Schall. This board selects the patients for the fenestration operation and the results are reviewed by the same board. Dr. Meltzer's series of fenestration operations is now approaching one hundred and the demand for our report of results is so persistent, that a preliminary three year report is being compiled.

The hard work and enthusiasm of Dr. Ruth P. Guilder has made these activities in the problem of deafness possible. The acoustic trauma of modern warfare will call on all our resources to care for the returning veteran and aid him in the rehabilitation to civilian life. National organizations are setting up State centers to help care for the veteran with acoustic damage. The Infirmary and the Staff are ready to aid to the fullest extent of their ability.

With Miss Mangiaracine in charge, the Infirmary for the very first time, has a real bacteriological laboratory. Careful scientific methods give us, now, dependable bacteriological data. With the advances in chemotherapy, where results depend upon the proper chemotherapeutic agent for a specific organism, dependable bacteriological studies are of prime importance. The Staff is quite properly proud of our bacteriological laboratory.

The X-ray Department, under Dr. Macmillan, has been the envy of all other Otolaryngological hospitals. The proper taking of, and more important, the expert reading of roentgenograms of mastoids, sinuses, tracheal and esophageal foreign bodies, makes this department one of our greatest assets.

The Infirmary is attracting cancer cases, not only of New England, but during the past year, cancer cases have come from New York, Pennsylvania, Florida, Guatemala, and Puerto Rico. The Tumor Clinic, under Dr. Herman and Dr. Ernlund, never operated more efficiently. In our new hospital the cancer patient should be in a ward apart from the general laryngological patient.

In spite of the limitation on research, our Staff, from the wealth of clinical material, have presented many clinical papers before scientific meetings. A complete list of these papers and addresses are enumerated in a special section of the hospital report.

Special honors have come to the following members of the Staff:

Dr. Harris P. Mosher, reelected President of the American Board of Otolaryngology.

Dr. Charles T. Porter, President-Elect of the American Otological, Rhinological, and Laryngological Society.

Dr. LeRoy A. Schall, President-Elect, Honor Society of the American Academy of Ophthalmology and Otolaryngology; Guest Orator, "General Herbert S. Birkett Memorial Address," Montreal, May, 1944; Guest Speaker, Association Medical Society, Puerto Rico, San Juan, Puerto Rico, Dec., 1944; Recipient, First Award in Otolaryngology for Excellency in Presentation for Exhibit on Cancer of the Larynx before the American Academy of Ophthalmology and Otolaryngology.

In my report for 1943, I stated that our post-war planning should include—

(1) Facilities for private patients should be as least tripled;

(2) A "Building Fund," no matter how small, should be set up.

May I conclude this report with an expression of my heartfelt thanks and gratitude for the prompt acceptance of these recommendations—

(1) Plans have been drawn which will triple our facilities for private patients and give us adequate operating facilities. Construction will of necessity have to wait until the war is won.

(2) Through the enthusiasm of Dr. Weille, one of his generous patients started our "building fund." May 1945 see it grow.

LeRoy A. Schall, M.D.
*Chief of Otology and Laryngology*

# Report of the Pathological Laboratory

THE number of enucleated eyes and other tissues sectioned and diagnosed during the year was 263, of which 71 were malignant tumors. Of these neoplasms 29 were malignant melanomata of the uvea, 6 were retinoblastomata, and 1 was a rhabdomyosarcoma arising from one of the extraocular muscles. Among the specimens of very unusual interest was an eye severely involved in several layers by nodular leprosy, which was sent to the laboratory from a leprasarium in the South; an eye showing advanced retrolental fibroplasia; and the two eyes of an infant, obtained at autopsy, showing cataracts caused by German measles in the mother during the third month of pregnancy, the cataracts and serious varieties of maldevelopment of the cardiovascular system being characteristic findings in *all* infants whose mothers have even mild attacks of German measles during the first two months of pregnancy. The discovery of this association has come recently from Australia where it was observed with great frequency following a wide-spread epidemic of this disease incident to concentration of troops on that continent.

The study of specimens, though adequate for the proper information of value in treating the individual cases, does not include the more exhaustive consideration for possible use in original investigation and in teaching because of time and personnel limitations during these war days.

Dr. F. H. Verhoeff was able to devote considerable time to this study and diagnosis of many interesting specimens during the summer. This included very worth while instruction to those who were able to join him. It is hoped that this can be resumed.

There has been no formal teaching in the laboratory other than the house officer lectures. However the facilities of the laboratory have been available for those who are willing to work alone. The physicians from Latin America, who have studied at the Infirmary sponsored by the Kellogg Foundation, have however had regular assignments for laboratory study. Several physicians in the armed forces assigned to this locality have taken advantage of the opportunity to borrow sets of class sections of slides for home study.

A major activity of the laboratory, second only to the primary function of studying specimens of tissue obtained at operation for the benefit of the patients' further treatment, has been the research related to retrolental fibroplasia. This unusually devastating disease which affects some 12% of the extremely prematurely born infants as determined by Dr. Stewart Clifford at the Boston Lying-In Hospital, is by no means fully understood since its relation to prematurity was established in this laboratory some four years ago. The clinical study is being conducted largely through the Out-Patient Department of the Infirmary although some of it is carried out in the laboratory itself. Although 195 cases are registered, a very active and detailed study of 50 cases within our immediate vicinity is being carried on. The morphological study of the embryonic basis for the disease and the pathological manifestations in the microscopic slides is carried out in the laboratory. Dr. Josef Warkany of the Children's Hospital Research Foundation of Cincinnati has produced a similar, if not identical condition in rats as a result of a vitamin A deficiency carried on for three generations. He has generously permitted the detailed study of his microscopic sections in this laboratory. Reconstructions being made by our artist, Miss Antoinette Witham, of the more dramatic abnormalities in these serial sections, have widened our understanding of the process. The physiological and chemical study is being made largely at Harvard Medical School in space loaned by Professor S. B. Wolbach in the Pathology Department. There Dr. Blanche Jackson and Mrs. Rhoda Burden are conducting important studies related to the first establishment of ciliary body function since an absence or decrease in amount of aqueous humor is an essential part of the disease process. The effect of avitaminosis of various degrees and types is also under careful study. Very specialized laboratory examinations of blood of the infants liable to develop the disease and the infants' mothers in an attempt to determine just how important vitamin A deficiency is in producing this disease are now being done. Dr. V. Everett Kinsey from the Howe Laboratory of Ophthalmology is able to devote part of his time to the direction of the chemical laboratory.

With the collaboration of the Experimental Surgery Department of The Massachusetts General Hospital and Harvard Medical School, certain worth while studies have been made on premature pigs. With the advice of Dr. Olga Allers one premature pig has been raised successfully in an incubator. This work has been interrupted by the unavailability of pregnant sows in the more advanced stage of pregnancy during the late autumn and early winter.

T. L. Terry, M.D.
*Pathologist*

# Report of the X-Ray Department

THERE has been an increase of over seven hundred patients examined in the X-Ray Department this year, as compared with last year. The greatest increase has been in examination of the mastoid. Because of the various forms of chemotherapy used to control the disease, a close check by x-ray is desirable.

There has been a 30% drop in the incidence of eye injuries requiring x-ray examination as compared with the previous year which showed definite increase. This speaks well for the efforts made to prevent such injuries.

During the year the department suffered the loss of two of its long term personnel. Mrs. W. F. McCann and Miss Mary Giarusso, who were in the department twenty-five and twenty years respectively. Their leaving was keenly felt by the entire hospital staff whom they had served so faithfully.

Tabulation of cases is as follows:

| | |
|---|---:|
| Thymus | 760 |
| Mastoids | 1,315 |
| Sinuses | 2,032 |
| Teeth | 321 |
| Foreign Body eye | 137 |
| Chest | 952 |
| Esophagus | 207 |
| Skull | 129 |
| Jaws | 92 |
| Nose | 72 |
| Treatment | 433 |
| Sella Turcica | 2 |
| Lipiodol injections | 18 |
| Petrous | 32 |
| Long Bones | 18 |
| Optic Canals | 7 |
| Miscellaneous | 149 |
| Abdomen | 25 |
| Lateral Neck | 268 |
| Number of examinations | 6,969 |
| Number of patients | 6,063 |

| | | |
|---|---|---|
| Bouginage | | |
| Number of treatments | 442 | |
| Number of patients | 82 | |
| Total | | 7,411 |
| Total number of patients for year | | 6,145 |

A. S. MACMILLAN, M.D.
*Roentgenologist*

# Report of the Nursing Department

| *Census of Personnel Prior to 1942* | | *Census of Personnel December 31, 1944* |
|---|---|---|
| 1 | Assistant Superintendent of Nurses | 1 |
| 1 | Supervisor | 1 |
| 1 | Instructor | 1 |
| 1 | Night Supervisor | 1 |
| 1 | Assistant Night Supervisor | 1 |
| 1 | Operating Room Supervisor | 1 |
| 5 | Operating Room Head Nurses | 5 |
| 1 | Chief Nurse Anesthetist | 1 |
| 4 | Assistant Nurse Anesthetists | 1 |
| 6 | Ward Head Nurses | 5 |
| 5 | Assistant Head Nurses | 4 |
| 3 | Out-Patient Head Nurses | 3 |
| 21 | General Duty Graduates | 12½ |
| 21 | Attendants | 10 |
| 16 | Orderlies | 8½ |
| 88 | | 56 |
| | Student Personnel | |
| 4 | Post Graduate Nurses | 1 |
| 18 | Affiliating Student Nurses | 14 |
| 22 | | 15 |
| Total............110 | | Total............71 |

The actual beside care of the patients in the Infirmary is given by a small group of staff nurses, affiliating and post-graduate students, attendants, and orderlies. The peace-time total number in these groups was 80. On December 31, 1944 it was 46, a loss of 42%. To be specific, the census was lowered by 10 floor duty nurses, 7 student nurses, 11 attendants, and 8 orderlies.

The reader may well ask how it has been possible to maintain a nursing service when only the Recovery Ward was closed. There are several reasons. The major one is the strength which is given to the Department by that group of nurses who have been members of it for many years, and who give service without considering the personal sacrifice. It is this group who are "shock troops" when the ranks grow thin. These persons are known to all of us. There are the three in the office, who, in addition to their regular jobs, must include the time-consuming one of conferences with those who leave, interviews with those who apply, and orientation of those who come. Sometimes the total stay of the new incumbent is no longer than that which has been expended in making the change. These three officers had no vacation relief, and therefore, for three consecutive summer months two did the work of three. Then there is the chief nurse anesthetist, and the supervisor of the operating rooms, who have held their respective departments together while others went, came, and went again. Nevertheless, many of these transients were life savers; a small group of private duty nurses who did staff nursing, nurses from a distance who were here with their husbands assigned to temporary military duty in Boston, and the new graduates waiting the call to the Government Services. Then there has been a small group of Red Cross Nurses' Aides, and other volunteers who have worked very hard in an endeavor to compensate for the smallness of their group. No one has been more faithful than Mrs. Larz Anderson whose other good works have been known, and unknown, for a good many years.

Because of the larger enrollment of student nurses at The Massachusetts General Hospital the total number of its students affiliating at the Infirmary for the regular course has increased from 42 to 50 during the year. For the same reason 81 students had two weeks' experience in the Children's Ward, and 29 had two weeks' experience in the Eye, Ear, Nose and Throat Operating Rooms. There were three other schools who sent students for the established two months course: Melrose Hospital 19, Cambridge Hospital 6 and Burbank Hospital 5. There was 1 from Quincy and there were 3 post-graduate students. The total number of graduate and student nurses who had two months of instruction and experience in the care of the eye, ear, nose and throat was 84. This is one of the major contributions of the Infirmary.

In 1943 Miss Mary Hayden, the head nurse of the Ear Clinic, the second oldest nurse employee of the Nursing Department, was given a leave of absence. For twenty years she had given tireless and devoted service to both patients and medical staff. Miss Hayden died on August 8, 1944. A little pamphlet "In Memoriam — Mary Hayden" has been written by Dr. Frackelton and Dr. Lovesey. Its lines express deep and sincere appreciation of a nurse who served not only with head and hand, but with heart and soul.

SALLY JOHNSON, R.N.
*Superintendent of Nurses*

# Report of Dietary Department

Miss Marian Ashman, administrative dietitian, resigned her position September 1st. From this date student dietitians from The Massachusetts General Hospital carried on the administrative work. On October 9th Miss Jean Fox from Duke University Hospital took over the Administrative responsibilities.

Miss June Thompson, therapeutic dietitian, resigned October 13th and was replaced by Miss Carlene Millican of Vanderbilt University Hospital.

During this brief period plans have been made for a new type of tray service to the patients. Trays are now served from the ward kitchen and carried to each patient. It is the hope that patients on regular and special diets shall be more adequately cared for. Due to the shortage of a maid on Third Floor, this new arrangement has not as yet been achieved.

The volunteer workers have been of great service in the critical time of labor shortage.

On September 1st the Nurses were transferred to The Massachusetts General Hospital Nurses' dining room because the acute labor shortage made it impossible to keep the dining room open. On November 1st the Nurses' dining room was reopened.

In conjunction with the cash allowance plan of The Massachusetts General Hospital, arrangements were made for the same system in the Massachusetts Eye and Ear Infirmary. Miss Lynette Bishop came on December 22 to make plans and to carry out the opening of a pay cafeteria on January 1st.

During the past year the evening meal service both to patients and personnel has been almost entirely dependent on the aid of high school students working after school and during the week-ends.

Jean Fox
*Dietitian*

# Report of the Medical Social Service Department

DURING the year 1944 the Medical Social Service Department carried responsibility in the Infirmary for the medical social treatment of patients and the teaching of medical social students and student nurses. It was necessary to be more discriminating than usual in regard to the amount and type of service performed as the department was understaffed during the entire year and the resignation of three experienced caseworkers caused lags in our program for which it was impossible to compensate at once. Each member of the department, new and old, had to share in additional responsibilities created by vacancies on the staff in order to cover the medical services.

There was some change noted in our problems. One was an increased number of potentially blind children who required extended study and treatment for problems created by their handicap. Also, there was a general increase in the need for service to patients with malignancy. The types of referrals to the Social Service Department are always influenced by medical research and progress in medical treatment. Emphasis on medical care in the above two groups of patients brought a corresponding emphasis in social treatment for those patients.

Statistical analysis of patients served:

| | | |
|---|---|---|
| Total number of patients | | 2,271 |
| A. Eye Service | | 1,545 |
| 1. Referred from clinic and wards | 1,191 | |
| 2. Referred for financial assistance with glasses | 354 | |
| B. Ear, Nose and Throat Service | | 736 |
| 1. Referred from clinic and wards (Ear) | 309 | |
| 2. Referred from Tumor Clinic and Wards (Nose and Throat | 222 | |
| 3. Referred from Winthrop Foundation | 205 | |
| Total number of patients on follow-up program | | 1,334 |

The statistics show an increase of 85 more patients served socially in 1944 than in 1943; however, the number of patients on the follow-up program has decreased due to planned restriction of this program during the past year. Referrals for assistance with glasses again decreased.

*Eye Service*

The social problem which presented most challenge on the Eye Service was created by the potentially blind children, particularly those in the infant and preschool age groups. The medical research being carried on in relation to one diagnostic group has brought increasing numbers of blind children to the Infirmary for treatment. In almost every case social study and planning is requested by the physicians as part of the child's treatment. Although the problems vary in number and severity in individual instances, the following have been found to occur frequently: normal resistance in parents to accept the fact that a child is blind and reluctance to plan for him on that basis; uncertainty as to whether the blind child should remain in his home or be placed in an institution for preschool training; the need for advice and information on feeding problems, toilet training and ways in which to prevent or correct blind mannerisms; desire for information on toys and activities which will stimulate the physical and mental development of the blind child; the parents' need for reassurance to foster the child's independence; the need for guidance in educational plans when the child is reaching school age. The social treatment for such problems is of long duration as different problems may appear at different stages of the child's development. We have not been able to solve all of the problems recognized but in December plans were laid, on the basis of the problems, for one social worker to devote the major part of her time for a specified period to see what constructive service can be offered by the Infirmary or other resources in the community.

The blind child who has the added handicap of mental retardation and who is, therefore, not suitable for education in schools for the blind, presents a very difficult situation. Placement is often advisable from the point of view of other members of the family, yet adequate institutional facilities are not available for placement of all retarded children. Neither are most of the schools for retarded children equipped to give the special attention to a blind child which he must have to make any progress whatever. Our department concerned itself with this problem in connection with other social agencies working in the interests of the blind through the Massachusetts Council for the Blind.

### *Glaucoma*

The total number of glaucoma patients on the follow-up program in 1944 was 1039, an increase of 117 over 1943. Out of the total number of patients 256 received some definite service from the social worker beyond the follow-up program. There were 186 new patients added to the follow-up file, an increase of 55 over 1943.

After October 1st there was no social worker assigned to take exclusive responsibility for glaucoma patients. In reviewing the services performed by the social worker in this position with Dr. Chandler, Acting Chief of Ophthalmology, it seemed apparent that much of it was of an administrative and clerical nature which could be handled by someone not trained in social work. In December a clinic executive was appointed to handle the routine clinical procedures and the follow-up system. This is an experiment and only time will tell whether it is a practical method. Because of the lack of medical social caseworkers, it was a necessary procedure for the present. The social problems presented by glaucoma patients have been made the responsibility of the clinic social workers on the same basis as any other diagnostic group.

Referrals to the Massachusetts Department of Education, Division of the Blind, on the basis of legal blindness were 93. Similar referrals to Bureaus for the Blind in other states were 8.

### *Ear, Nose and Throat Service*

The most striking change in work on the Ear, Nose and Throat Service was the increase in patients referred from the Tumor Clinic for whom social planning was necessary. The number of patients receiving medical treatment in the Tumor Clinic increased and the number of referrals to the social worker consequently rose until those patients became her major responsibility. The nursing care for patients with tracheotomy tubes was particularly difficult to arrange as most nursing homes are not equipped to care for them and families are apprehensive about their care at home as it is a constant problem to have suction apparatus which can be effectively used in the home. Planning for chronic care and for transportation of patients for x-ray treatment continued to be time consuming and difficult due to the lack of facilities for these services. As a result expenses for both nursing home care and transportation increased over expenses for those services in 1943.

Adults referred for hearing aids presented less opposition to the recommendation than previously and there were fewer who could not afford to purchase an instrument. More children with a history of chronic ear conditions were referred for aids than in former years. 183 children were reported to public schools for attention because of their hearing loss and lip reading instruction was advised for 65 patients.

### *Follow-up*

The follow-up program for children with acute and chronic ear conditions was reduced in number by conscious planning. There were 153 new children added to the program and a total of 295 children followed.

### *Winthrop Foundation and Clinic for the Deaf*

The total number of children and young adults receiving service this year was 205, a slight increase over the number served in 1943. There were 145 new patients who received social treatment, 95 of whom were children under 16 years of age. Effort has been continued in attempts to rehabilitate the hard of hearing. The resignation of a part time social worker on this service in June made it impossible to handle the number of patients needing care to our satisfaction. Social Service assisted in financial planning for hearing aids for 37 patients, 24 of whom were of preschool or school age. Arrangements were made for 9 children to attend schools for the deaf and applications for 5 additional admissions are pending.

In addition to having direct concern with rehabilitation and educational problems, the social worker this year worked with 15 patients with otosclerosis who needed assistance with arrangements for hospitalization, convalescent care and interviews to help them make decisions regarding recommended surgery. Since six of the eight patients in this group, who were admitted to the House, lived either out of Massachusetts or at a distance too great for travel back and forth to the clinic upon discharge, living arrangements and transportation had to be arranged for a number of weeks in order that medical care might be completed. Interpretation to agencies outside of Boston who were concerned with paying for hospitalization was required in several instances.

Medical social work in this setting was used as a definite part of the medical treatment. In almost every case the referral was on the basis of a definite medical recommendation and the doctor and social worker had a mutual goal for the patient. The integration of services, medical, psychological and social was one which is to be desired in other areas of our work.

### *Teaching*

The department had four medical social students in training during the year from the Simmons College School of Social Work. One student did her Master's thesis on Rehabilitating Hard of Hearing Children Through Hearing Aids. Another studied a group of cases to analyze the medical social worker's contribution to the adjustment of the newly blind.

The Director gave two lectures at the Boston College School of Social Work on social implications of eye and ear conditions. Lectures to the nurses were given once each month with some participation by staff members.

### *Staff Development*

The Infirmary made it possible for several members of the staff to attend conferences and institutes related to social work. The Director attended the National Conference of Social Work.

Miss Eleanor Norris attended the Silver Anniversary of the American Association for the Hard of Hearing in New York. One worker attended an institute at the Massachusetts Conference of Social Work and another is currently attending a casework seminar. In the fall The Massachusetts General Hospital Social Service Department and the Massachusett Eye and Ear Infirmary Social Service Department, combined their conference groups for casework discussion.

*Personnel*

*Resignations* Mrs. Cecelia Lowis, January 8, 1944
Miss Maxine Miller, May 20, 1944
Miss Phyllis Howe, September 25, 1944

Miss Miller resigned to become casework supervisor in the City-County Health Unit in Birmingham, Alabama, and Miss Howe to organize a social service program for glaucoma patients in the Episcopal Eye and Ear Infirmary, Washington, D.C.

*Appointments* Miss Eleanor Norris, M.S. Simmons College School of Social Work,—January 1, 1944
Miss Ruth M. Butler, M.S. Simmons College College School of Social Work,—April 1, 1944
Mrs. Marguerite Parsons, University of Chicago School of Social Work,—September 1, 1944
Mrs. Marjorie Moore as clinic executive for glaucoma patients,—December 15, 1944

*Publications*

"Rehabilitation of the Hard of Hearing Child" by Miss Dorothy Sutherland and Miss Maxine Miller, former members of the Social Service Department—The Child, October 1944.

Volunteer service was of tremendous help and we express appreciation to the Volunteer Bureau for the many hours of work provided.

*Financial Report*

A generous contribution of $1,000 for hearing aids is gratefully acknowledged this year, as well as the contribution from the Permanent Charity Fund and money contributed by community social agencies and Trust Funds on the basis of special appeals. The number of patients who received benefit from the expenditures was 377, exclusive of transportation.

| | | |
|---|---|---|
| Medical Relief Expenses | | $6,193.02 |
| Glasses | $1,409.95 | |
| Prostheses | 167.80 | |
| Transportation of patients | 184.56 | |
| Nursing Home and Convalescent care | 358.92 | |
| Housekeeping Service | 326.68 | |
| Hearing Aids | 3,681.56 | |
| Artificial larynx | 22.09 | |
| Miscellaneous | 41.46 | |
| Amount refunded by patients | | $2,656.89 |
| Amount contributed from other agencies and individuals | | 1,058.42 |
| | | $3,715.31 |
| Paid from Social Service Funds | | $2,477.71 |

EUNICE W. WILSON
*Director*

# Report of the Occupational Therapy Department

MANY of the dreams of the founder of the Occupational Therapy Department have been realized this year. It is unfortunate that she was not here to see it happen. Miss Helen K. Wade, O.T.R. resigned as Director in February and was replaced by Mrs. G. Gordon Olsen, O.T.R. At the same time Miss Linda Hall, O.T.R., assistant director, also resigned and in April was replaced by Miss Mildred L. Sleeper, O.T.R.

The first dream to be realized was the appointment of an advisory committee of six members, two from the Board of Managers, Mr. James C. Howe and Mrs. Richard Cary Curtis; two from the Hospital Staff, Dr. Philip E. Meltzer and Dr. Fred S. Thorne; two from the Ladies' Visiting Committee, Mrs. Reginald Smithwick and Mrs. Samuel S. Hall. The duties of the committee are to guide the department in its policies and such changes as it may make. With their permission and help an article about the department was published and mailed to the medical personnel. Following the article, the committee advised us on plans for an Open House, which was held June 17th. The purpose of this move served to demonstrate exactly what an Occupational Therapy treatment at this hospital was, and what media were used. We were very grateful to the Ladies' Visiting Committee for their contribution of the refreshments.

Shortly after Open House, another dream was an actuality. An adequate, well lighted, comfortable place became available for a new shop. All summer, while carpenters, plumbers and electricians added their improvements, the members of the department painted walls and ceiling. In September we were at home on the Fifth Floor of the Infirmary. This is an attractive and cheerful place to which we are able to bring patients for their treatment. Again, we are indebted to the Ladies' Visiting Committee for many of our furnishings.

With the space now available, it became evident that if the Patients' Library were condensed it could be housed in one place. Accordingly, all books over ten years old were sold to a second hand dealer. Monies thus gained were used to purchase a few new books. During the year 54 new volumes were purchased, 5 rebound and 5 lost.

Throughout these changes, regular department activities have been maintained. There were 289 patients who received a total of 1881 treatments. The Nursery has had daily classes under O.T. supervision which had an attendance of 394 patients. Each holiday has been marked by favors for the Patients' trays. Some special decorations were done for Christmas and gifts were purchased for the Nursery stockings. Dr. Lovesey again very generously consented to paint the decorations for the Nursery.

There has been a total of 7 students from the Boston School of Occupational Therapy affiliating for periods of 8 or 9 weeks. These students have contributed much to the department and we are grateful to them. We have also had the help of some splendid volunteers, without whom many of the year's achievements could not have been made.

We wish to thank the people who have contributed materials, toys and books to the patients through our department.

Ann M. Olsen
(Mrs. G. Gordon Olsen, O.T.R.)
*Director Occupational Therapy*

# Report of the Howe Laboratory of Opthalmology

THE exigencies of war research have largely determined the type of investigation carried on in the Howe Laboratory during the past several years. Many of the studies have had little or nothing to do with opthalmology. This is perhaps to be regretted, but a laboratory made up of a young and conscientious personnel with diverse training has had no alternative but to enlist its wholehearted cooperation in whatever lines its talents could be used most profitably for the war effort.

## *Research Directly Connected with the War Effort*

The Howe Laboratory group has served and is continuing to serve in three separable capacities as far as war research is concerned. First, a series of studies have been carried out for the Navy dealing, in general, with certain optical aspects of naval armaments. Secondly, a study has been made of the pathologic effect of certain war gases. Thirdly, the staff has cooperated in a heterogeneous group of war studies involving optical, ophthalmological, or other specialized talents possessed by the Howe Laboratory group.

The problems undertaken for the Navy are some of those arising directly out of Fleet operation. The newer techniques of naval warfare have naturally involved optical problems not heretofore encountered—nor, in many cases, anticipated. According to the present arrangement, the problems undertaken by the Howe Laboratory are referred directly by the Navy Department. The expenses are entirely furnished by the Navy through contracts between the Massachusetts Eye and Ear Infirmary and various branches of the Navy. The research is under the direction of Dr. Elek J. Ludvigh, assisted by assigned naval and civilian personnel. Since the work has been developmental as well as investigative, requiring in several instances the construction of pilot models, it has been necessary to rent a machine shop and employ several additional machinists outside the premises of the Howe Laboratory. When, as a consequence of developmental research, some types of apparatus are put into mass production, the Howe Laboratory group act as consultants to the manufacturer. All in all, this has been an interesting adaptation of academic research to practical problems of the moment. However undesirable it might be to continue, in peacetime, investigations having such limited scope and necessarily confidential nature, both of which are alien to academic research, it is, nevertheless, gratifying to record this capacity for conversion to wartime needs.

Studies on the war gases have been continued under the auspices of the Office of Scientific Research and Development and have been carried out by Drs. V. E. Kinsey, W. M. Grant, and D. G. Cogan. In an attempt to obtain an effective therapy for eye injuries from war gases, an extensive investigation has been made of the biologic mechanisms by which these agents exert their toxic effects. This has necessitated a considerable departure from opthalmology proper. To what extent these studies will be pursued further, will depend on the overall prospects of the War and the probability that war gases will be used. At present the results of the investigations in the Laboratory are submitted to the OSRD in the form of confidential reports which are then circulated to other groups working on war gases in this country and in England. To date, the Howe Laboratory has prepared 45 such reports in the two and one-half years of OSRD contract. It is hoped that after the war the material so presented may form the basis for a series of publications in the general literature.

Aside from the official Navy and OSRD investigation, the entire Laboratory group has made an active effort to cooperate with other studies connected with war research when called upon to do so. It is not surprising that the numerous and varied war researches carried on, especially in and around Boston, bring up incidental problems where the talents or techniques of the Howe Laboratory may be of service. The following projects may be mentioned specifically. An effort has been made to obtain an efficient type of goggle for specific climatic conditions. Studies on malaria are currently being carried out according to a technique in which the eye is used as an indicator. The common practice of "training" color defective persons to pass the entrance requirements for the Armed Forces has been studied; it has been found that, while the training facilitates passing certain tests, it has no effect upon a color defective person's ability to discriminate between colors of low saturation and intensity such as might be expected to prevail in most distant signal lights. Finally, it may be noted that Dr. Kinsey was on "detached service" for several months of the past year setting up a center in Washington for coordinating the various chemical and biologic aspects of the OSRD studies or insect control.

### *Research not Directly Connected with the War Effort*

During the past year several of the Howe Laboratory staff had the distinct honor of being collectively awarded the Warren Triennial Prize. This prize consisting of $500 is awarded every three years by the Executive Committee of The Massachusetts General Hospital for the "best dissertation, considered worthy of a premium, on some subject in physiology, surgery, or pathological anatomy." The present award was made to Dr. Cogan, Dr. Kinsey, and Mr. Hirsch for their thesis "Some Physiologic Studies on the Cornea." The substance of this thesis has been published in separate communications during the past several years in the Archives of Ophthalmology. The two communications which appeared during the past year analyzed the permeability properties of the several portions of the cornea to a variety of substances. It was specifically demonstrated that the epithelial and endothelial membranes are permeable to substances having a fat soluble phase while the stroma is permeable only to substances having a water soluble phase. These barrier properties of the surface membranes were shown to be essential for the normal functioning of the cornea, and, in the words of a recent reviewer[1], the investigations in the Howe Laboratory

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[1] Weymouth F. W.: Ann. Rev. of Physiol. 6: 423 (1944)

"appear to have found a simple underlying principle in the old problem of corneal transparency."

Last year's Report noted the investigation of a substance used in the plastics industry which had caused an epidemic of severe corneal ulcers. This substance was found to be contaminant of the solvent, methyl ethyl ketone, but it was not successfully identified. This year an analogous study was made of the toxic substances employed in a local rubber factory. This study, conducted by Drs. Cogan and Grant, was initiated by the observation of a unique type of keratitis occurring in a group of patients employed in cementing rubber goods. From the epidemiologic point of view, there is little doubt that the responsible agent is butanol vapor; we have, however, failed to reproduce it experimentally. A detailed report of the findings is to appear shortly in the Archives of Ophthalmology.

A group of patients with non-luetic interstitial keratitis and vestibulo-auditory symptoms simulating Meniere's disease has been studied by Dr. Cogan. This is believed to be a hitherto unrecognized clinical syndrome.

Among the non-opthalmological aspects of the war researches have been several observations on the nutritive requirements of the rat by Drs. Kinsey and Grant. These observations, published, during the past year in *Science,* have shown that all of the nitrogen requirements for growth of the rat could be provided by 10 amino acids.

An article reviewing that portion of the recent biochemical, pharmacological, and toxicological literature which pertains to the eye has been prepared by Drs. Cogan and Grant and will appear shortly in a compendium entitled "Ophthalmology in the War Years."

In keeping with the prime purposes of the Howe Laboratory, an attempt has been made to continue the functions of the Howe Laboratory as a consultative adjunct to clinical medicine and clinical ophthalmology. Dr. Kinsey is currently directing the biochemical phases of a study on the disease "retrolental fibroplasia" which results in blindness in some premature infants. The biochemical study is being carried on in the Pathology

Department of the Harvard Medical School and forms part of a more general investigation being conducted by Dr. Terry of the Massachusetts Eye and Ear Infirmary. Dr. Cogan continues actively in the coordinate studies carried on by the Thyroid Service and Hypertension Service. In the latter instance all patients of that large group which are being studied by Dr. Reginald Smithwick at The Massachusetts General Hospital are also seen in the Howe Laboratory where the vascular changes in the fundi are graded before operation (splanchnicectomy) and periodically after operation. Dr. Cogan also gave a winter course for the resident staff on the clinical physiology of the ocular motor system.

## *Past and Future*

The Howe Laboratory is now sixteen years old. It is an established laboratory for research in ophthalmology. It has a wealth of clinical material at its disposal and a staff that is trained in some of the basic sciences. It is particularly suitable for that type of investigation which has been aptly called interdisciplinary research where cooperative undertakings are made by clinical and basic science departments.

The future of the Laboratory looks relatively bright. The worth of a laboratory such as the Howe Laboratory is attested to by the large number of requests for consultation with other departments and laboratories. But the present organization is inadequate to encompass more than a fraction of the problems and services which could be profitably undertaken. Finances have not been any limitation during the War as the Government has borne all the expenses of the war research; this has amounted to several times the peacetime budget of the Howe Laboratory. But with the termination of the war contracts, there will necessarily be considerable retrenchment. It is hoped that some means may be found to increase the present endowment for additional Fellowships, and thereby salvage in the postwar era as much of the investigative talent as possible.

David G. Cogan, M.D.
*Director*

# Report of the
# Lucien Howe Library of Opthalmology

ALTHOUGH the usual activities of the library were carried on, the continued absence of so many men in the armed services was reflected in the loss of 1,066 reader attendance and a decrease of 528 volumes loaned.

31 bound gifts were received in 1944. 2 of these are rare items: "Ab Aquapendente de Visione, Voce, Audito" by Fabricius (1600) and "Die Epidemisch-Contagiöse Augenblennorrhöe Aegyptens in den Europaischen Befreiungsheeren . . ." by Graefe (1823). They have been deposited in the Houghton Library of Harvard College for safekeeping.

107 books of a semi-rare nature that were purchased in Holland and Italy by Mrs. Lucien Howe and stored in the Houghton Library since 1938 have been returned to our shelves. Some will have to be bound. All have not yet been cataloged.

On the 1st of November Mrs. Ada Messenger, librarian for the past 16 years resigned and was replaced by Miss Jeanette Loessl who is employed jointly by the Lucien Howe Library and the Lucien Howe Laboratory.

Under the supervision of Miss Anna C. Holt, Librarian of the Harvard University Schools of Medicine and Public Health, the routine procedures are being changed to conform with those followed at the Medical School library. A renumbering of shelf numbers has been started.

The hours in which the library is open with a librarian in charge have been curtailed since October because a hospital personnel shortage does not allow for a substitute librarian from 5-10 in the evening. Although attendance records are no longer kept after 5 o'clock the library is accessible to responsible persons after that hour.

## STATISTICAL REPORT

| | *1944* | *1943* |
|---|---|---|
| Number of periodical volumes | 2,009 | 1,987 |
| Number of other bound volumes | 1,062 | 1,016 |
| Number of pamphlets | 2,596 | 2,566 |
| Number of bound volumes and pamphlets loaned | 637 | 1,165 |
| Number of inter-library loans | 393 | 546 |
| Total attendance of readers | 4,419 | 5,485 |

JEANETTE LOESSL
*Librarian*

# Scientific Papers Published or Read by the Staff

January 1, 1944 to January 1, 1945

## DEPARTMENT OF OPHTHALMOLOGY

"The Present Status of Eye Exercises for Improving Visual Functions." By Walter B. Lancaster, M.D. *Archives of Ophthalmology,* Vol. 32, p 167, September, 1944.

"The Duties and Training of an Orthoptic Technician." By Walter B. Lancaster, M.D. *American Journal of Ophthalmology,* Vol. 27, May, 1944.

"Removal of the Ruptured Capsule in Cataract Operations." By Frederick H. Verhoeff, M.D. *Archives of Ophthalmology,* Vol. 32, No. 5, pp. 407, November, 1944.

"Less Evident Causes of Lowered Acuity in Senility. Including a Discussion of a Case of Endothelial Dystrophy as the Cause of Bullous Keratitis." By Frederick H. Verhoeff, M.D., and Ralph I. Lloyd, M.D. *American Journal of Ophthalmology,* Vol. 27, No. 3, March, 1944.

"Treatment of Glaucoma." By Paul A. Chandler, M.D. *Archives of Ophthalmology,* Vol. 32, pp. 23-31, July, 1944.

"Retrolental Fibroplasia in the Premature Infant: V. Further Studies on Fibroplastic Overgrowth of the Persistent Tunica Vasculosa Lentis." By Theodore L. Terry, M.D. Presented to the American Ophthalmological Society at Hot Springs, Virginia, June, 1944. (In press.)

"Ocular Maldevelopment in Extremely Premature Infants: Retrolental Fibroplasia VI. General Consideration." By Theodore L. Terry, M.D. Presented to the Pediatric Section of the American Medical Association Meeting at Chicago, Illinois, June, 1944. (In press.)

"A Practical Ophthalmic Test Which Furnishes Quantitative Data." By Albert E. Sloane, M.D. and J. Roswell Gallagher, M.D. *Archives of Ophthalmology,* Vol. 31, pp. 217-222, March, 1944.

"Refraction Clinic." By Albert E. Sloane, M.D. *American Journal of Ophthalmology,* Vol. 27, No. 4, April, 1944; Vol. 27, No. 5, May, 1944.

"Bilateral Cataract Extraction in Anterior Megalophthalmos." By Hugh C. Donahue, M.D. *American Journal of Ophthalmology,* Vol. 27, No. 9, September, 1944.

"Meningococci Conjunctivitis." By A. B. Mangiaracine, B.A., and Abraham Pollen, M.D. *Archives of Ophthalmology,* Vol. 31, pp. 284-288, April, 1944.

## DEPARTMENT OF OTOLARYNGOLOGY

"On Being a Professor Emeritus." By Harris P. Mosher, M.D. *Annals of Otology, Rhinology and Laryngology,* Vol. 53, No. 3, pp. 381-390, September, 1944.

"Cancer of the Larynx." By LeRoy A. Schall, M.D. Herbert S. Birkett Memorial Address, Montreal, Canada, April 14, 1944.

"Rehabilitation of the Child who is Handicapped by Deafness." By LeRoy A. Schall, M.D. and Ruth P. Guilder, M.D. American Otological Society at New York, June 6, 1944. *Laryngoscope,* Vol. LIV, No. 10, pp. 511, October, 1944.

"Pathology of Nasal Mucous Membrane and Suggestions as to Treatment." By LeRoy A. Schall, M.D. American Laryngological Association at New York, June 8, 1944. *Annals of Otology, Rhinology and Laryngology,* Vol. LIII, No. 3, pp. 391, September, 1944.

"Neoplasma of the Ear." By LeRoy A. Schall, M.D. In: "Diseases of the Nose, Throat and Ear," Chevalier Jackson, M.D., Editor. (In press.)

"Cancer of the Larynx." By LeRoy A. Schall, M.D. Address before the Puerto Rico Medical Association, San Juan, Puerto Rico, December 15, 1944.

"Cancer of the Nose and Sinuses." By LeRoy A. Schall, M.D. Address before the Puerto Rico Medical Association, San Juan, Puerto Rico, December 17, 1944.

"Acoustic Trauma of the Organ of Corti in the Guinea Pig." By Moses H. Lurie, M.D. *The Laryngoscope,* August, 1944.

"Deafness and What Can Be Done For It." By Moses H. Lurie, M.D. Address before the American Academy of Ophthalmology and Otolaryngology at Chicago, Illinois, October 10, 1944.

"Early Treatment of Gunshot Wounds of the Face and Jaws." By V. H. Kazanjian, D.M.D., M.D. *Surgery,* Vol. 15, No. 1, pp. 22-42, January, 1944.

"Treatment of Deformity from Burns." By V. H. Kazanjian, D.M.D., M.D. *The Connecticut State Medical Journal,* Vol. VIII, No. 10, pp. 661, October, 1944.

"Reconstruction After Radical Operation for Osteomyelitis of the Frontal Bone. Experience in Thirty-Eight Cases." By V. H. Kazanjian, M.D., F.A.C.S., and Edgar M. Holmes, M.D. *Surgery, Gynecology and Obstetrics,* Vol. 79, pp. 397-411, October, 1944.

"Reconstruction of Deformities of the Forehead and the Frontal Bone." By V. H. Kazanjian, D.M.D., M.D. Transactions of the Twelfth Annual Meeting of the American Society of Plastic and Reconstructive Surgery.

"Extranasal Block Anesthesia for Submucous Resection of the Nasal Septum." By Gustave B. Fred, M.D. *Annals of Otology, Rhinology and Laryngology,* Vol. 53, No. 1, pp. 127, March, 1944.

"Use of a T Tube for Drainage of a Septal Abscess." By Francis L. Weille, M.D. and Elizabeth De Blois, M.D. *Archives of Otolaryngology,* Vol. 39, pp. 85-86, January, 1944.

"Retropharyngeal Abscess." By Francis L. Weille, M.D. and Elizabeth De Blois, M.D. *Archives of Otolaryngology,* Vol. 39, pp. 344-347, April, 1944.

"Syndrome of Avellis." By Burton E. Lovesey, M.D. *Annals of Otology Rhinology and Laryngology,* March, 1944.

"Collateral Infection of the Temporal Bone in Fulminating Osteomyelitis of the Frontal." By George Kelemen, M.D. *The Laryngoscope,* Vol. 54, pp. 76-86, February, 1944.

"Fractures of the Temporal Bone." By George Kelemen, M.D. *Archives of Otolaryngology,* Vol. 40, pp. 333-373, November, 1944.

"The Significance of Eosinophilia in Rhinology." By Daniel Miller, M.D. *Annals of Otology, Rhinology and Laryngology,* Vol. 53, No. 1, pp. 74, March, 1944.

"Rehabilitating the Hard-of-Hearing Child." By Dorothy A. Sutherland and Maxine Miller. *The Child,* Vol. 9, pp. 51-56, October, 1944.

# Publications of the Staff of the Howe Laboratory of Ophthalmology

"The Cornea VI. Permeability Characteristics of the Excised Cornea." By D. G. Cogan, M.D. and E. O. Hirsch, B.A. *Archives of Ophthalmology,* Vol. 31, pp. 408-412, May, 1944.

"The Secretion-Diffusion Theory of Intra-Ocular Fluid Dynamics." By V. E. Kinsey, Ph.D. and W. M. Grant, M.D. *The British Journal of Ophthalmology,* Vol. 28, p. 355, July, 1944.

"Adequacy of the Essential Animo Acids for Growth of the Rat." By V. E. Kinsey, Ph.D. and W. M. Grant, M.D. *Science,* Vol. 94, 303-305, April 14, 1944.

"The Cornea VII. Permeability to Weak Electrolytes." By D. G. Cogan, M.D. and E. O. Hirsch, B.A. *Archives of Ophthalmology,* Vol. 32, pp. 276-282, November, 1944.

"Effect of Local Anesthetics on Regeneration of Corneal Epithelium." by T. Gundersen, M.D. and S. D. Liebman, M.D. *Archives of Ophthalmology,* Vol. 31, pp. 29-33, January, 1944.

# Table of Diseases

## COMPILED FROM RECORDS

January 1, 1944 to January 1, 1945

| | *House* | *Out-Patient* |
|---|---|---|
| SECTION 1<br>Specific Infectious Diseases—General Diseases | 106 | 5 |
| SECTION II<br>Diseases Due to Animal Parisites | 1 | 0 |
| SECTION III<br>Diseases of Metabolism and Deficiency | 30 | 7 |
| SECTION IV<br>Diseases Peculiar to Infancy | 37 | 0 |
| SECTION V<br>Diseases Due to Physical Agents | 4 | 0 |
| SECTION VI<br>Poisonings, Intoxications | 1 | 0 |
| SECTION VII<br>Tumors, Benign and Malignant | 504 | 38 |
| SECTION VIII<br>Congenital Malformations | 77 | 0 |
| SECTION IX<br>Injuries | 50 | 3 |
| SECTION X<br>Diseases of the Skin | 42 | 0 |
| SECTION XI<br>Diseases of the Circulatory System | 20 | 0 |
| SECTION XII<br>Diseases of the Lymphatic System | 9 | 0 |
| SECTION XIII<br>Diseases of the Blood-Forming Organs | 2 | 0 |
| SECTION XIV<br>Diseases of the Endocrine Glands | 2 | 0 |

| | *House* | *Out-Patient* |
|---|---|---|
| SECTION XV | | |
| Diseases of the Nervous System | 65 | 2 |
| SECTION XVI | | |
| Diseases of the Bones, Joints, Muscles, Tendons and Fascia | 35 | 0 |
| SECTION XVII | | |
| Diseases and Injuries of the Eye and Ear | | |
| Diseases of the Eye | 3,545 | 2,778 |
| A. General | 600 | 1,020 |
| B. Lids | 73 | 215 |
| C. Lacrimal Apparatus | 80 | 6 |
| D. Conjunctiva | 80 | 304 |
| E. Cornea | 239 | 1,016 |
| F. Anterior Chamber | 39 | 2 |
| G. Sclera | 12 | 5 |
| H. Lens | 1,186 | 101 |
| J. Uveal Tract | 69 | 10 |
| 1. Iris | 239 | 21 |
| 2. Ciliary Body | 2 | 1 |
| 3. Choroid | 20 | 8 |
| K. Retina | 119 | 17 |
| L. Vitreous | 21 | 6 |
| M. Optic Nerve | 28 | 8 |
| N. Eyeball | 183 | 5 |
| O. Orbit | 30 | 3 |
| P. Disturbances of Motion | 525 | 30 |
| Diseases of the Ear | 496 | 49 |
| Q. General | 22 | 1 |
| R. Auricle | 25 | 0 |
| S. External Auditory Canal | 16 | 14 |
| T. Eustachian Tube | 1 | 0 |
| V. Middle Ear and Mastoid | 359 | 34 |
| W. Internal Ear | 73 | 0 |
| SECTION XVIII | | |
| Diseases of the Nose and Accessory Sinuses | 820 | 8 |
| SECTION XIX | | |
| Diseases of the Mouth, Lips, Cheeks, Pharynx, Tonsils and Palate | 1,317 | 2 |
| SECTION XX | | |
| Diseases of the Jaw, Teeth and Gums | 21 | 0 |

| | *House* | *Out-Patient* |
|---|---|---|
| SECTION XXI | | |
| Diseases of the Tongue | 6 | 0 |
| SECTION XXII | | |
| Diseases of the Esophagus | 137 | 0 |
| SECTION XXVIII | | |
| Diseases of the Rectum and Anus | 1 | 0 |
| SECTION XXIX | | |
| Diseases of the Larynx | 61 | 0 |
| SECTION XXX | | |
| Diseases of the Trachea and Bronchi | 60 | 0 |
| SECTION XXXI | | |
| Diseases of the Lungs | 10 | 0 |
| SECTION XXXIII | | |
| Diseases of the Kidney and Ureter | 4 | 0 |
| SECTION XXXVI | | |
| Diseases of the Male Generative Organs | 2 | 0 |
| SECTION XL | | |
| Allergy | 13 | 0 |
| SECTION XLI | | |
| Abnormalities of Urine | 1 | 0 |
| SECTION XLII | | |
| Ill-Defined or Unclassified Diseases | 35 | 3 |
| Totals | 7,514 | 2,895 |

# Directory

## MEMBERS OF INFIRMARY STAFF, ALUMNI AND RESIDENTS

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Names of active members of the Infirmary Staff are printed in capital letters.

Italics following the name indicate to what service of the Infirmary the individual belongs:—

*Bron.;* Bronchoscopy
*Esoph.;* Esophagoscopy
*M.;* Manager
*Oph.;* Ophthalmology
*Oto-Lar.;* Oto-Laryngology

*Letters in small type preceding the italics indicate the special work of the individual:—*

a.; assistant
ac.; acting
an.; anesthetist
assoc.; associate
c.; chief of service
cl.; clinical
cons.; consulting
dir.; director
e.; extern
exec. a.; executive assistant
path.; pathologist
ront., roentgenologist
r.; resident
s.; surgeon
s.p.o.; surgeon for plastic operations
s.t.c.; surgeon assigned to Tumor Clinic

Addresses are in Boston unless stated to be elsewhere; and are in Massachusetts when no State is indicated.

The following list is correct to the best of our knowledge and belief. If there are any inaccuracies or omissions we would be glad to have these brought to our attention.

Albaugh, Clarence H., *Oph.* 1940
727 W. 7th, Los Angeles, Cal.

Alexander, Seeyman L., *Aural,* 1919
170 St. George, Toronto, Ont., Can.

Allen, John H., *Aural.* 1904
Cape Elizabeth R.F.D. #1, Me.

*ALLMAN, CHARLES H., a.s., *Oto-Lar.* (*Oto-Lar.* 1930)
520 Commonwealth Ave.

Amadon, A. M., *Aural.* 1897-1898.
(Deceased)

Amberg, Emil, *Aural.* 1897.
1244 West Boston Boulevard,
Detroit, Mich.

Anthony, Alan R., *Oph.* 1936.
736 Granville, Vancouver,
British Columbia, Can.

*Anthony, Marc, *Oph.* 1929.
Westminster Apts., Spokane, Wash.

AYASH, JOHN J., r. *Oto-Lar.*

Aylesworth, Frederick A., *Oph.* 1916
Suite 1001 Medical Arts Bldg.,
Toronto, Ontario, Can.

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*On leave of absence because of military service.

Bair, Hugo L., *Oph.* 1932
Mayo Clinic, Rochester, Minn.
*Ballenger, John J. *Oto-Lar.* 1943.
BARNES, HARRY A., con.s. *Oto-Lar.*
61 Church, Dedham
Barss, Richard, *Oph.* 1877.
BARTON, RICHARD T., r. *Oto-Lar.*
*Bassen, Edward J., *Oph.* 1928
654 Madison Ave., N. Y. C.
Baur, Frederick E., *Aural* 1902
43 Grande Ave., Milwaukee, Wis.
*Beecher, Henry, an. M. G. H.
BEETHAM, WILLIAM P., s., *Oph.* (*Oph.* 1929) 108 Bay State Road
BENEDICT, EDWARD B., cl.a. *Bron. & Esoph.* M. G. H.
Berry, Gordon, *Aural* 1910
36 Pleasant, Worcester
Bigelow, F. Nolton, *Aural* 1910
(Deceased)
BIRDSALL, CLARENCE H., cl.a. *Oph.* (*Aural* 1916; *Oph.* 1918)
26 Summer, Haverhill
Black, Daniel E., *Oto-Lar.* 1944.
26 Lake, Nashua, N. H.
Blaisdell, Irl H., *Oto-Lar.* 1939
Medical Arts Bldg., Syracuse, N. Y.
BOGAN, FREDERICK L., con.s. *Oto. & Lar.,* (*Aural* 1908)
249 River, Milton
Boies, Lawrence, R., *Oto-Lar.* 1931
1937 Medical Arts Bldg.,
Minneapolis, Minn.
BRACONIER, HARRY E., r. *Oph.*
Bradford Henry W., *Oph.* 1877
(Deceased)
BRADY, FRANK W., cl.a. *Oto-Lar.,* (*Oto-Lar.* 1942)
8 Merrimac, Lowell
Brawner, Leon E., *Oto-Lar.* 1925.
384 Peachtree, Atlanta, Ga.
Bridgwood, David, *Oph.* 1926
(Deceased)
Briggs, Wallace R., *Oph.* 1920.
229 M, Sacramento, Cal.
*Brown, Lester A., Jr., *Oto-Lar.* 1937
478 Peachtree, Atlanta, Ga.
Bryan, Burton D., *Oto-Lar.* 1943
Adamsville, Rhode Island
BURGER, FRANKLYN D., sr.cl.a. *Oph.* (*Oph.* 1941)
403 Commonwealth Ave.
Burke, J. Robert, *Oph.* 1918; *Aural* 1919 207 Elm, Holyoke
Cahill, Harry P., *Aural* 1914
(Deceased)
Cameron, Walter C., *Oph.* 1930
1103 Rhodes Bldg., Tacoma, Wash.
Candray, Carlos H., *Oph.* 1944
San Salvador, El Salvador
Canfield, R. Bishop, *Aural* 1901
(Deceased)
CAPELES, THOMAS F., cl.a., *Oph.* (*Oph.* 1915; *Aural* 1916)
191 Merrimac, Haverhill
Carleton, Ralph, *Oph.* 1896
(Deceased)
Caron, Armand L., *Oto-Lar.* 1927
36 Pleasant, Worcester
Carroll, Frank D., *Oph.* 1935
635 W. 165th, N. Y. C.
Carroll, Henry G., *Oph.* 1911
270 Commonwealth Ave.
Carter, Leland F., *Oph.* 1926
1553 Woodward Ave.,
Detroit, Mich.
Case, Paul H., *Oph.* 1938
418 Professional Bldg.,
Phoenix, Arizona
*CASTEN, VIRGIL G., s. *Oph.;* (*Oph.* 1931)
520 Commonwealth Ave.
*CAVANAUGH, THOMAS, sr.cl.a. *Oph.* (*Oph.* 1940)
Cave, Linus S., *Oto-Lar.* 1927
Physician's Bldg., Syracuse, N. Y.
CERRATO, CALVIN M., cl.a. *Oto-Lar.* (*Oto-Lar.* 1944)
520 Commonwealth Ave.
Chamberlain, Allen H., *Oph.* 1889
(Deceased)
CHAMBERLAIN, CALVIN B., sr.cl.a. *Oph.,* (*Oph.* 1944)
5 Bay State Road
Chandler, H. Beckles, *Oph.* 1880
(Deceased)
Chandler, H. Beckles, Jr., *Oph.* 1912
34½ Beacon
CHANDLER, PAUL A., ac.c. *Oph.,* s. *Oph.* (*Oph.* 1925)
5 Bay State Road
Cheney, Frederick E., *Oph.* 1888
(Deceased)
Cheney, Robert C., *Oph.* 1921
(Deceased)
CHISHOLM, JULIAN F., JR., sr.cl. *Oph.*
CLAP, EDMUND W., cons.s. *Oph.;* (*Oph.* 1899)
390 Commonwealth Ave.
Clarke, Jonas, *Oph.* 1877
Clarke, Samuel T., *Oph.* 1939
240 W. First, Reno, Nev.

*Clough, Joseph M., *Oto-Lar.* 1939; *Oph.* 1941.

COGAN, DAVID G., a.s. *Oph.;* dir. Howe Laboratory, (*Oph.* 1935) 243 Charles

Cogan, James R., *Oph.* 1944

COLLINSON, A. WILLIAM, sr.cl. a. *Oph.* 226 Bay State Road

*Converse, John M., *Oto-Lar.* 1938

Cooper, Kemp G., *Oto-Lar.* 1930 1516 Cook, Denver, Col.

*CORDRAY, DAVID P., cl.a. *Oto-Lar.*; (*Oto-Lar.* 1940)

Coughlan, John N., *Aural* 1900 (Deceased)

*Coyle, John A., *Oph.* 1931 Wilder, Vt.

COVITZ, EDWARD E., a.s. *Oph.* 475 Commonwealth Ave.

Crewson, Arthur L., *Oto-Lar.* 1927 132 Second, West, Cornwall, Ontario, Can.

Crockett, Eugene A., *Aural* 1892 (Deceased)

*DAME, LAWRENCE R., cl.a. *Oph.* 57 Federal, Greenfield

Davidson, Herman P., *Oph.* 1920 30 North Michigan Ave., Chicago, Ill.

Davis, Frederick A., *Oph.* 1892 (Deceased)

Day, Charles Orrin, *Aural* & *Lar.* 1922 (Deceased)

Day, Kenneth, *Oto-Lar.* 1924 121 University Place, Pittsburg, Pa.

*Dean, Abbott W., *Oph.* 1929 424 Oakland Ave., Council Bluffs, Iowa

DE BLOIS, ELIZABETH, cl.a. *Oto-Lar.* 247 Commonwealth Ave.

DONAHUE, HUGH C., a.s. *Oph.,* (*Oph.* 1931) 520 Commonwealth Ave.

*Donoghue, William F., (*Oto-Lar.* 1942, *Oph.* 1944)

Dowling, Joseph L., *Oph.* 1918. 57 Jackson, Providence, R. I.

*DROOKER, JOSHUA C., cl.a. *Oto-Lar.;* (*Oto-Lar.* 1939) 20 Charlesgate West

Drury, Dana W., *Aural* 1906 483 Beacon

Duclos, Gaston N., *Oto-Lar.* 1943; r. Oph.

DUEST, LLOYD J., cl.a. *Oph.* 227 Union, New Bedford

*DUNPHY, EDWIN B., c. *Oph.;* (*Oph.* 1923) 243 Charles

Easton, Elwood T., *Oph.* 1900 (Deceased)

EASTON, MAHLON T., a.s. *Oph.;* (*Oph.* 1936) 264 Beacon

ELLIS, EDWARD K., con.s. *Oph.;* (*Oph.* 1905) 412 Beacon

ERNLUND, CARL H., s.t.c.; (*Oto-Lar.* 1927) 5 Bay State Road

EVANS, MAURICE G., assoc. s. *Oto-Lar.*; (*Oto-Lar.* 1928) 416 Marlborough

Evans, William H., *Oph.* 1924 510-517 Dollar Bank Bldg., Youngstown, Ohio

*Farrell, James I., *Oph.* 1932. Kempf Bldg., Utica, N. Y.

FAUNCE, CALVIN B., con.s. *Oto* & & *Lar.;* (Aural 1907) 386 Commonwealth Ave.

FAXON, NATHANIEL W., dir., M.E. & E.I.

*Filmer, George A., *Oph.* 1939 530 Metropolitan Bldg., Denver, Col.

Finck, Harry P., *Oph.* 1919; *Aural* 1920 (Deceased)

Fisher, Carl, *Oph.* 1907 (Deceased)

Fisher, Stanwood E., *Aural* 1909 338 Spring, Portland, Me.

Foote, Charles M., *Oph.* 1940 412 North Hastings Ave., Hastings, Neb.

Frackelton, Ralph J., *Oto-Lar.* 1933 15701 Detroit Ave., Lakewood, Ohio

Franklin, C. Ray, *Oph.* 1931 168th & Broadway, N. Y. C.

*FRAZEE, JOHN R., a.s. *Oto-Lar.,* (*Oto-Lar.* 1934) 311 Beacon

FRED, GUSTAVE B., s. *Oto-Lar.,* (*Oto-Lar.* 1925) 520 Beacon

Frisch, Frederick, *Oph.* 1908 (Deceased)

Fultz, William E., *Oph.* 1927 45 Kaye, Halifax, N. S., Can.

Gabriels, Joseph A. C., *Oph.* 1921 435 State, Albany, N. Y.

Gallagher, John H. C., *Aural* 1920 (Deceased)

GARLAND, FREDERICK E., cons.s. *Oto-Lar.* 483 Beacon

GAUDREAU, HONORÉ E., cl. a. *Oph.;* (*Oph.* 1930) 293 Bridge, Springfield

Gaus, Louis, *Oph.* 1921 Ticonderoga, N. Y.
*GAVOLIO, FRANK, cl.a. *Oto-Lar.* 407 Moody, Waltham
Germain, Harry H., *Oph.* 1899 475 Commonwealth Ave.
Gibson, Arthur C., *Aural* 1921 516 Sutter, San Francisco, Cal.
Gifford, Harold, Jr., *Oph.* 1934 1620 Medical Arts Bldg., Omaha, Neb.
Gilbert, John J., *Oph.* 1917; *Aural,* 1920 221 Thayer, Providence, R. I.
Gillespie, Elmer H., *Oto-Lar.* 1932
GODUTI, RICHARD J., r. *Oph.*
Goldman, A. Milton, *Oph.* 1924 Rockville Centre, N. Y.
GOODALE, JOSEPH L., cons.s. *Oto-Lar.* Ipswich
GOODALE, ROBERT L., assoc.s. *Oto-Lar.;* (*Oto-Lar.* 1926) 330 Dartmouth
GOODALL, EDWIN B., cons.s. *Oph.;* (*Oph.* 1918) 71 Bay State Road
Goodell, William, *Aural* 1906 121 Chestnut, Springfield
Goray, James P., *Oph.* 1897 58 Day, Fitchburg
Gray, Gerald H., *Oto-Lar.* 1929 420 Mountain Ave., Piedmont, Cal.
GROSSMAN, HERMAN P., a. s. *Oph.;* (*Oph.* 1934) 210 Angell, Providence, R. I.
GUIMARÃES, JOÃO C., r. *Oto-Lar.*
*GUNDERSEN, TRYGVE, assoc.s. *Oph.;* (*Oph.* 1930) 5 Bay State Road
Hacking, Raymond F., *Oph.* 1927 105 Waterman, Providence, R. I.
HAIRE, PAUL G., a.s. *Oph.* 6 Pleasant, Malden
Halliday, Armond A., *Oph.* 1918; *Aural* 1919 (Deceased)
Halton, Edward J., *Oto-Lar.* 1942 56 Suffolk, Holyoke
Hammond, Philip, *Aural* 1894 (Deceased)
HANSELL, ROBERT J., r. *Oph.*
HAPP, LINLEY C., sr.cl.a. *Oph.;* (*Oto-Lar.* 1931; *Oph.* 1943) 199 Thayer, Providence, R. I.
Haskell, Henry H., *Oph.* 1893 (Deceased)
HAWKINS, HENRY, cons. s. *Oph.;* (*Oph.* 1909) 394 Marlborough
Heffernan, David A., *Oph.* 1904 270 Commonwealth Ave.
Heine, Lyman H., *Oto-Lar.* 1927 Freemont, Neb.
Hennessey, William W., *Aural* 1908 33 Essex, Salem
HERMAN, EDWARDS W., s.t.c.; Lincoln
Hill, Frederick T., *Aural* 1916 111 Main, Waterville, Me
Hobart, Carl, *Oph.* 1922 518 Metropolitan Bldg., St. Louis, Mo.
*Hollabaugh, Charles F., *Oph.* 1932 Doctor's Bldg., Nashville, Tenn.
HOLMES, EDGAR M., a.s. *Oto-Lar.* (*Oto-Lar.* 1934) 330 Dartmouth
*Hoople, Gordon D., *Oto-Lar.* 1926 Medical Arts Bldg., Syracuse, N. Y.
Houston, G. Gilbert, *Oto-Lar.* 1938 10 West, Charlottetown, P. E. I., Can.
Hubbard, Rufus P., *Oph.* 1879
Hurley, Edward D., *Oph.* 1907 (Deceased)
Hussey, Edward J., *Oph* 1906 (Deceased)
HUTCHINSON, RUTH M., exec. a. M.E. & E. I.
*Ireland, Percy E., *Oto-Lar.* 1935 170 St. George, Toronto, Ontario, Can.
*Irgens, Edwin R., *Oto-Lar.* 1936 Waterville, Me.
*Irvine, S. Rodman, *Oph.* 1935 700 Roosevelt Bldg., Los Angeles, Cal.
*Irvine, Wendell C., *Oph.* 1941 700 Roosevelt Bldg., Los Angeles, Cal.
Jack, Edwin E., *Oph.* 1888 (Deceased)
JACK, FREDERICK L., cons.s. *Oto. & Lar.;* (*Aural* 1884) 215 Beacon
Jackle, Arthur F., *Oph.* 1913 (Deceased)
JENNINGS, JOHN G., cons.s. *Oph.;* (*Oph.* 1917) 82 Commonwealth Ave.
JOHNSON, CARL C, sr.cl.a. *Oph.;* (*Oph.* 1942) 5 Bay State Road
*JOHNSON, CHARLES I., assoc. s. *Oto-Lar.;* (*Oto-Lar.* 1929) 403 Commonwealth Ave.

*Johnson, Lorand V., *Oph.* 1937
2065 Adelbert Road,
Cleveland, Ohio
Jones, Edward E., *Oto-Lar.* 1928
141 W. Elm, Brockton
Judd, Delbert K., *Oto-Lar.* 1934
950 E. 59th, Chicago, Ill.
KAZANJIAN, KENNETH, cl.a. *Oto-Lar.*
475 Commonwealth Ave.
KAZANJIAN, VARAZTAD H., s.p.o.
*Oto-Lar.* & *Oph.*
475 Commonwealth Ave.
Kearney, Richard A., *Aural* 1921
2311 Connecticut Ave.,
Washington, D. C.
KELEMEN, GEORGE, cl.a. *Oto-Lar.*
414 Beacon
KELLEY, VINCENT J., a.s. *Oto-Lar.*
520 Commonwealth Ave.
Kelly, Joseph C., *Oph.* 1942
(Deceased)
Kendall, M. Ray, *Aural* 1917
(Deceased)
Kennedy, Michael Francis, *Oph.* 1927
1835 I, N. W., Washington, D. C.
Kerst, J. Arthur, *Oph.* 1934
Leland Office Bldg., E. Capitol
Ave., Springfield, Ill.
Kilburn, Henry W., *Aural* 1885
(Deceased)
KING, MERRILL J., a.s. *Oph.*; (*Oph.*
1932) 264 Beacon
*Kos, Clair M., *Oto-Lar.* 1941
2925 Grand Ave.,
Des Moines, Iowa
LANCASTER, WALTER B., cons.s.
*Oph.*
520 Commonwealth Ave.
Langworthy, Henry G., *Aural* 1907
10th and Bluff, Dubuque, Iowa
*Lawlor, Edward R., *Oto-Lar.* 1941
33 Tremont, Lawrence
LEAHEY, BRENDAN D., a.s. *Oph.*;
*Oph.* 1933 9 Central, Lowell
LeCompte, Walter A., *Aural,* 1901
(Deceased)
LECONTE, CHARLES M., r. *Oto-Lar.*
Lemoine, Albert N., *Oph.* 1923
1100 Rialto Bldg., Kansas City, Mo.
LEMOINE, ALBERT N., JR., r. *Oph.*
*LENTINE, JOSEPH, cl.a. *Oto-Lar.*,
(*Oto-Lar.* 1936)
Levitt, Jesse M., *Oph.* 1933
Fletcher Gen. Hospital,
Cambridge, Ohio
LEWIS, DONALD K., c.r. & cl.a.
*Oto-Lar.*; (*Oto-Lar.* 1943)
*LIEBMAN, SUMNER D., sr.cl.a.
*Oph.* (*Oph.* 1943)
115 Bay State Road
Liebman, William, *Oph.* 1911
115 Bay State Road
Lodge, Edmund A., *Oto-Lar.* 1924
Mountain Home, Tenn.
LO-PRESTI, JOSEPH J., sr.cl. a. *Oph.*
45 Bay State Road
Loring, Robert G., *Oph.* 1900
Retired—4 Lowell, Concord
Lothrop, Oliver A., *Aural* 1911
101 Beacon
Lougee, John L., *Aural* 1909
475 Commonwealth Ave.
LOVELY, DAVID K., r. *Oto-Lar.*
LOVESEY, BURTON E., a.s. *Oto-Lar.*; (*Oto-Lar.* 1935)
76 Bay State Road
Lowell, W. Holbrook, *Oph.* 1902
(Deceased)
LURIE, MOSES H., s. *Oto-Lar.*
483 Beacon
*Lynch, Mercer G., *Oto-Lar.* 1936
1567 Exposition Blvd.,
New Orleans, La.
MacDonald, Alexander E., *Oph.* 1923
170 St. George, Toronto,
Ontario, Can.
*MACDONALD, DONALD H., cl.a.
*Oto-Lar.*; (*Oto-Lar.* 1930)
MACHAMER, R. WENNER, r. *Oto-Lar.*
MacKechnie, William G., *Aural* 1918
Port of Spain, Trinidad,
British West Indies
Mackenzie, Roland, C., *Oph.* 1911
30 Grant, Waltham
MacMillan, Andrew L., Jr., *Aural* 1912
46 Pleasant, Concord, N. H.
MACMILLAN, ALEXANDER S.,
ront. 483 Beacon
*Macnie, John P., *Oph.* 1929
635 W. 165th, N. Y. C.
*MALORY, TRACY B., cons. path.
M. G. H.
Mansur, Leon Wallace, *Oph.* 1898
Retired—Valley Center, Cal.
*MARTIN, S. FORREST, *a. s.Oph.*
(*Oph.* 1938)
*Mattis, Robert Dean, *Oph.* 1942
McAuley, Albert G., *Oph.* 1915
1301 Dorchester, West,
Montreal, Quebec, Can.

McCabe, Frank J., *Oph.* 1916
204 Angell, Providence, R. I.
*McCall, Robert E., *Oto-Lar.* 1941
236 S. Main, Marion, N. C.
*McCLINTOCK, WALTER L., cl.a. *Oto-Lar.* (*Oto-Lar.* 1938)
1245 Hancock, Quincy
McCusker, John J., *Oph.* 1897
382 Broad, Providence, R. I.
McDONALD, SAMUEL J., cons.s. *Oph.;* (*Oph.* 1902)
290 Commonwealth Ave.
*McGuigan, G. Edmund, *Oph.* 1924
116 West Market, York, Pa.
McIntire, Frederic J. *Oph.* 1910
63 North Common, Lynn
McKelvey, Alexander D., *Aural* 1911
(Deceased)
*McKenzie, Rodney J., *Oto-Lar.* 1942
McLaughlin, William C., *Aural* 1908
(Deceased)
McLeod, Angus M., *Oto-Lar.* 1932
Medical Arts Bldg., Toronto, Ontario, Can.
*McLeod, John, *Oph.* 1930
900 Argyle Bldg., Kansas City, Mo.
*Meek, Raymond E., *Oph.* 1926
729 Park Avenue, N. Y. C.
MELTZER, PHILIP E., s. *Oto-Lar.;* (*Aural* 1919) 20 Charlesgate West
Merritt, Robert E., *Oph.* 1920
Retired—Valley Center, Cal.
*Mertins, Paul S., *Oto-Lar.* 1936
17 Galen, Montgomery, Ala.
MESSENGER, HARRY K., a.s. *Oph.,* (*Oph.* 1934)
313 Commonwealth Ave.
Meyer, Monto F., *Oph.* 1919
904 Canal Bank Bldg., New Orleans, La.
Miles, Nathan E., *Oph.* 1937
MILLER, DANIEL, cl.a. *Oto-Lar.;* (*Oto-Lar.* 1943)
20 Charlesgate West
*Moore, Donald E., *Oph.* 1937
403 Medical Arts Bldg., Syracuse, N. Y.
*Moore, Edward E., *Oph.* 1944
Moore, Fontaine, B., *Aural* 1914
*Moore, James A., *Oto-Lar.* 1940
66 South Fullerton Ave., Montclair, N. J.
*MORRISSEY, ARTHUR M., cl.a. *Oph.*
Morse, Almon G,. *Oph.* 1893
(Deceased)
*Moorman, John D., *Oph.* 1939
Times Bldg., Huntsville, Ala.
MOSHER, HARRIS P., cons. s. *Oto. & Lar.* 127 Front, Marblehead
*Mosher, Henry A., *Oph.* 1941
Motley, Frederic E., *Oto-Lar.* 1925
Charlotte Eye, Ear, Nose & Throat Hospital, Charlotte, N. C.
MUELLER, WERNER, a.s. *Oto-Lar.,* (*Oto-Lar.* 1933) 412 Beacon
Murphy, Edward M., *Oph.* 1915
9 Central, Lowell
Murphy, William E., *Oto-Lar.* 1933
Slater Bldg., Worcester
Myers, Roscoe W., *Oph.* 1927
36 Pleasant, Worcester
*Myers, Stanley A., *Oto-Lar.* 1937
MYSEL, PHILIP, assoc. s. *Oto-Lar.*
483 Beacon
Nicholson, Harry M., *Aural* 1913
101 James South, Hamilton, Ontario, Can.
O'Connell, John D., *Oph.* 1943
*O'Connor, Michael J., *Aural & Lar.* 1923
105 Waterman, Providence, R. I.
OFFENBACH, BERTHA, cl.a. *Oph.*
270 Commonwealth Ave.
*Ogden, Frederic W., *Oto-Lar.* 1942
Olds, Bomar A., *Oto-Lar.* 1929
307 Medical Arts Bldg., Atlanta, Ga.
OLSEN, HENRIETTA I., exec. a. M.E. & E.I.
O'Neil, Robert C., *Oto-Lar.* 1928
(Deceased)
Parker, Harry C., *Oph.* 1902
PETERSON, WALBORG L., exec. a. M.E. & E.I.
POLLEN, ABRAHAM, sr.cl.a. *Oph.;* (*Oph.* 1944)
64 Washington Ave., Chelsea
*Pollock, Frederic, J., *Oto-Lar.* 1935
Porter, Charles T., *Oph.* 1914; *Aural* 1915 (Deceased)
Powers, George H., *Aural* 1904
(Deceased)
Price, F. Raymond, *Oph.* 1936
118 Rutledge Ave., Charleston, S. C.
Proctor, Francis I., *Oph.* 1891
(Deceased)
Provost, Adolphe J., *Oto-Lar.* 1927
36 Lowell, Manchester, N. H.
Prudhon, Charles A., *Oto-Lar.* 1930
168 Sterling, Watertown, N. Y.
Quackenboss, Alexander, *Oph.* 1893
(Deceased)

Quevedo, A. Arturo, *Oph.* 1933 4a Av. Sur 19, Guatemala City, Guatemala, C. A.

Quevedo, Julio, *Oto-Lar.* 1941 15 C.O. 5, Guatemala City, Guatemala, C. A.

QUINCY, JOSIAH E., a.s. *Oto-Lar.;* (*Oto-Lar.* 1926) 270 Commonwealth Ave.

Raynes, Alphonse F., *Oph.* 1923 16 Market Sq., Portsmouth, N. H.

*Reagan, Daniel J., *Oph.* 1943; *Oto-Lar.* 1944

Reaves, Robert G., *Aural* 1918 (Deceased)

Rice, John D., *Oto.-Lar.* 1943 390 Main, Worcester

Rice, Theodore A., *Oph.* 1942 390 Main, Worcester

*RICHARDS, LYMAN G., s.*Bron. & Esoph,* (*Oto-Lar.* 1924) 319 Longwood Ave.

RICHARDSON, JOHN R., a.s. *Oto-Lar.;* (*Oto-Lar.* 1935) 403 Commonwealth Ave.

RIEMER, HUGO B. C., cons.s. *Oph.* 29 Commonwealth Ave.

*Riemer, Karl, *Oph.* 1943

ROBERTSON, ANNIE M., a.to dir. M.E. & E.I.

*Roopenian, Aram, *Oto-Lar.* 1944

*Ross, Percy Jay, *Oto-Lar.* 1934 1045 Michigan Ave., Chicago, Ill.

Rothwell, Stephen G., *Oto-Lar.* 1925 100 Eighth, New Bedford

RUGGLES, RALPH H., assoc. s. *Oph.;* (*Oph.* 1920) 394 Marlborough

Ruggles, Roger L., *Oto-Lar.* 1932 80 Elm, Westfield.

RUNGE, PAUL M., sr.cl.a. *Oph.* 47 W. Elm, Brockton

Rust, Frank L., *Oph.* 1898 (Deceased)

Ryder, George H., *Oph.* 1901 968 Hancock, Quincy

SACHS, BENJAMIN, s. *Oph.;* (*Oph.* 1925) 520 Beacon

*Sainsbury, Augustus W., *Oto-Lar.* 1943 42 N. Main, Canandaigua, N. Y.

Sargent, Francis B., *Aural & Lar.* 1923 124 Waterman, Providence, R. I.

Savage, Ross E., *Oph.* 1910 Gloucester

Scarney, Herman D., *Oph.* 1928 573 Fisher Bldg., Detroit, Mich.

SCHALL, LeROY A., c. *Oto-Lar.* 243 Charles

*Schnebly, J. Thomas, *Oph.* 1938 508 Farragut Medical Bldg., Washington, D. C.

*SEALE, EARL S., sr.cl. a. *Oph.;* (*Oph.* 1940) 108 Bay State Road

SENECAL, ALPHONSE L., cl.a. *Oto-Lar.* 1 Monument Sq., Beverly

Shambaugh, George E., Jr., *Oto-Lar.* 1932 122 S. Michigan Blvd., Chicago, Ill.

Shanahan, Timothy J., *Aural* 1907 (Deceased)

*Sheehan, Linus A., *Oph.* 1943 21 Phillips, Providence, R. I.

SHLOSSBERG, FRANK R., cl.a. *Oto-Lar.* 116 Emerson, Haverhill

Simmons, Fred A., *Aural* 1918 (Deceased)

Sisson, Raymond J., *Oph.* 1925 (Deceased)

*Skilling, Francis C., *Oph.* 1933 401 Ingram Bldg., Miami, Fla.

*Slaughter, Earl C., *Oto-Lar.* 1940

SLOANE, ALBERT E., a.s. *Oph.* 416 Marlborough

*Smith, Harold D., *Oto-Lar.* 1937 342 Investment Bldg., Pomona, Cal.

Smyth, D. Campbell, *Aural* 1910 (Deceased)

Smyth, P. Somers, *Oph.* 1905 (Deceased)

*SNOW, ROBERT G., cl. a. *Oto-Lar.* (*Oto-Lar.* 1940) 403 Commonwealth Ave.

Sowers, Martin L., *Aural & Lar.* 1922 Crossway Apts., Far Rockaway, N. Y.

Spalding, Fred M., *Oph.* 1900 (Deceased)

Spratt, Charles N., *Oph.* 1904 785 9th, Minneapolis, Minn.

Standish, Myles, *Oph.* 1880 (Deceased)

*STEPHENS, H. FREDERICK, sr. cl. a. *Oph.* (*Oph.* 1939) 195 Thayer, Providence, R. I.

*STERNSTEIN, HERMAN J., cl.a. *Oto-Lar.* 416 Marlborough

*SULLIVAN, GARRETT L., sr. cl. a. *Oph.,* (Oph. 1938) 5 Bay State Road

Tegelberg, Julius, *Oto-Lar.* 1931 390 Main, Worcester

TERRY, THEODORE L., s. *Oph.;* path. (*Oph.* 1928) 140 Marlborough

THOMAS, JOHN H., *Oto-Lar.* 1944; r. *Oph.*

THOMPSON, PETER HUNTER, cons.s. *Oph.; (Oph.* 1902)
308 Commonwealth Ave.

THORNE, FRED S., assoc. s. *Oph.*
270 Commonwealth Ave.

TOBEY, GEORGE L., JR., cons. s. *Oto-Lar.; (Aural* 1905)
403 Commonwealth Ave.

TOBEY, HAROLD G., s. *Oto-Lar.,* (*Aural* 1915)
403 Commonwealth Ave.

Toot, J. Frederick, *Oph.* 1922
520 First National Bank Bldg.,
Canton, Ohio

Twitchell, Marshall C., *Oph.* 1941
217 S. Union, Burlington, Vt.

*Vail, Derrick T., *Oph.* 1924
819 Carew Tower, Cincinnati, Ohio

Vail, Harris H., *Aural* 1921
(Deecased)

VERHOEFF, FREDERICK H., cons. c. *Oph.* 395 Commonwealth Ave.

*Viger, Roland J., *Oph.* 1937
1414 Drummond, Montreal,
Quebec, Can.

WAITE, J. HERBERT, cons. s. *Oph.* (*Oph.* 1923) 7 Bay State Road

Wales, Ernest DeW., *Aural* 1902
1236 N. Pennsylvania,
Indianapolis, Ind.

*Walker, Charles E., Jr., *Oph.* 1935
Died in Paris, France, Nov. 22, 1944

Walker, Clifford B., *Aural* 1914
(Deceased)

WALKER, D. HAROLD, cons.s. *Oto. & Lar.,* M.; (*Aural* 1902)
5 Bay State Road

*Wattles, F. Merrill, *Oto-Lar.* 1938
312 Greenleaf Bldg.,
Jacksonville, Fla.

Webster, Franklin R., *Oph.* 1926
810 State Tower Bldg.,
Syracuse, N. Y.

WEILLE, FRANCIS L., assoc.s. *Oto-Lar., (Oto-Lar.* 1929)
247 Commonwealth Ave.

Weinheimer, Lambert H., *Oph.* 1922
(Deceased)

Weisman, Herman J., *Oto-Lar.* 1944
76 Limerock, Rockland, Me.

Wherry, Walter J., *Oto-Lar.* 1939
(Deceased)

White, Leon E., *Aural* 1897
(Deceased)

WHITE, LEON E., cons. s. *Oto & Lar.; (Aural & Lar.* 1923)
390 Commonwealth Ave.

WHITNEY, RAYMOND C., cl. a. *Oph., (Oph.* 1922)
227 Union, New Bedford

WILKINS, SAMUEL H., cons.s. *Oph.*
270 Commonwealth Ave.

Willis, Harry C., *Aural & Lar.* 1923
216 E. Nash, Wilson, N. C.

Winkler, Herman A., *Oto-Lar.* 1926
224 Thayer, Providence, R. I.

Wishart, David E. S.,*Aural & Lar.* 1922
47 Grosvenor, Toronto,
Ontario, Can.

Woodruff, Harry W., *Oph.* 1936
(Deceased)

Worthen, Clarence F. *Oph.* 1917.
319 Commonwealth Ave.

Wright, Clarence F., *Oto-Lar.* 1931
86 Bloor West, Toronto, Ont., Can.

Wright, Edward N., *Oto-Lar.* 1933
210 Public Utilities Bldg.,
Porth Arthur, Ontario, Can.

ZANEK, OTTO L., r. *Oph.*

## Form of a Bequest to the Infirmary

*I give and bequeath to the Massachusetts Eye and Ear Infirmary of Boston, the sum of*

*dollars, to be applied to the uses of said Infirmary.*

ONE HUNDRED AND TWENTIETH

# ANNUAL REPORT

OF THE

# *Massachusetts Eye and Ear Infirmary*

INCORPORATED IN 1827

FOR THE YEAR

1945

OFFICERS AND STAFF

1946

BOSTON : MASSACHUSETTS

# MASSACHUSETTS EYE AND EAR INFIRMARY

243 Charles Street, Corner Fruit Street, Boston, Mass.

THE MASSACHUSETTS EYE AND EAR INFIRMARY is a charitable Institution supported solely by receipts from patients and voluntary contributions. Only those unable to pay Doctor's fees will be admitted to the Wards or Out-Patient Department.

## OUT-PATIENT DEPARTMENT

The Out-Patient Department is open daily excepting Sundays and legal holidays, from 8 to 10 A.M. for examination and treatment of all persons afflicted with disease of the eye, ear, nose or throat, who are unable to pay a physician. Patients should, whenever possible, bring a letter from their physician recommending admission. In emergencies or unusual situations, the patient may be admitted, the doctor notified and information requested from him as to the medical and social aspects of the case. A patient may also be admitted by giving satisfactory evidence that he is not and has not been under treatment by a physician, and that he cannot afford to pay for examination and treatment by a private physician.

## HOSPITAL WARD SERVICE

Patients should whenever possible, bring a letter from their doctor recommending admission. If their medical condition after examination by the house officer on duty is found to be suitable, they will be admitted. Persons recommended for admission should come to the Admitting Office, 243 Charles Street, between 9 A.M. and 1 P.M. on week days, excepting legal holidays.

Accident and emergency cases admitted at any time.

Patients admitted to the wards as in-patients will be charged for board at the weekly rate prevailing at the time of admission, payable in advance, unless some special arrangement is made by the Director. No reduction in rate of board made to those residing outside the Commonwealth of Massachusetts.

## PRIVATE PATIENTS

The Infirmary also provides facilities for the care of private patients of members of the hospital staff. Patients are expected to arrange with their physician regarding professional fees.

MASSACHUSETTS EYE AND EAR INFIRMARY

ONE HUNDRED AND TWENTIETH

# ANNUAL REPORT

OF THE

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BOSTON : MASSACHUSETTS

# Table of Contents

| | PAGE |
|---|---|
| OFFICERS | 3 |
| BOARD OF MANAGERS AND STAFF | 3 |
| EXECUTIVE OFFICERS | 5 |
| DEPARTMENT OF OPHTHALMOLOGY | 6 |
| DEPARTMENT OF OTO-LARYNGOLOGY | 7 |
| HOUSE STAFF | 8 |
| HOWE LABORATORY | 8 |
| CONSULTANTS | 8 |
| HISTORY | 11 |
| REPORT OF BOARD OF MANAGERS | 13 |
| ADMINISTRATIVE CHART | 19 |
| TREASURER'S REPORT | 20 |
| STATISTICS | 37 |
| SCIENTIFIC PAPERS | 40 |
| DIRECTORY | 42 |

# Officers, 1946

## BOARD OF MANAGERS, 1945-1946

| | |
|---|---|
| 1893-95<br>1907- | Charles P. Curtis, 5 Court Street |
| 1914 | James C. Howe, 53 State Street |
| 1929 | Walter H. Trumbull, Weston, Mass. |
| †1934 | Patrick A. O'Connell, 154 Tremont Street |
| 1934 | Robert F. Bradford, 49 Federal Street |
| 1935 | William A. Parker, 1 Court Street |
| 1937 | Henry Hixon Meyer, 53 State Street |
| 1940 | Mrs. Richard Cary Curtis, 215 Warren Street, Brookline, Mass. |
| 1940 | Horace W. Frost, 74 State Street |
| †1942 | Dr. D. Harold Walker, 5 Bay State Road |
| 1943 | Frederic Winthrop, Ipswich, Mass. |
| 1945 | Henry W. Porter, 158 Willard Road, Brookline, Mass. |
| 1945 | Mrs. Sullivan A. Sargent, Jr., 701 South Street, Needham, Mass. |
| 1942-43<br>1945- | Edmund V. Keville, 49 Federal Street |

*President*

Henry Hixon Meyer

*Secretary*

James C. Howe

*Treasurer*

Horace W. Frost

*Executive Committee*

Henry Hixon Meyer
James C. Howe
Horace W. Frost
William A. Parker

*Finance Committee*

Henry Hixon Meyer
William A. Parker
Horace W. Frost

*Advisory Committee*
Social Service Department

Paul A. Chandler, M.D.
Henry W. Porter
Mrs. Richard Cary Curtis
Mrs. Harold Peabody
Mrs. Leslie Soule

*Advisory Committee*
Occupational Therapy Department

Mrs. Reginald Smithwick
Mrs. Samuel S. Hall, Jr.
Philip E. Meltzer, M.D.
Fred S. Thorne, M.D.
Mrs. Richard Cary Curtis
James C. Howe

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†Appointed by the Commonwealth.

## LADIES' VISITING COMMITTEE

Mrs. Sullivan A. Sargent, Jr., *Chairman*
Mrs. Harold Peabody, *Vice-Chairman*
Mrs. John E. Thayer, Jr., *Secretary*
Mrs. Richard Cary Curtis, *Treasurer*

Mrs. Arlie V. Bock
Mrs. John Bryant
Mrs. Harry P. Cahill
Mrs. Nathaniel D. Clapp
Mrs. Livingston Davis
Mrs. Weld Douglass
Mrs. Edwin B. Dunphy
Mrs. Henry Erhard
Mrs. John W. Farley
Mrs. Reginald Foster
Mrs. Trygve Gundersen
Mrs. George F. Hall
Mrs. Samuel E. Hall, Jr.
Mrs. Harold L. Higgins
Mrs. Francis T. Hunter
Mrs. Charles I. Johnson
Mrs. Varaztad H. Kazanjian
Mrs. Andrew Mason
Mrs. William W. McCarthy
Mrs. Henry Minot
Mrs. Noel Morss
Mrs. Harris P. Mosher
Mrs. Eugene Record
Mrs. Franklin A. Reece
Mrs. John R. Richardson
Mrs. Arthur L. Richmond
Mrs. Edward J. L. Ropes
Mrs. LeRoy A. Schall
Mrs. Reginald H. Smithwick
Mrs. William B. Snow, Jr.
Mrs. Leslie Soule
Mrs. Channing Swan
Mrs. Thomas C. Thacher, Jr.
Mrs. Benjamin A. G. Thorndike
Mrs. Robert Truesdale
Mrs. Frederick H. Verhoeff
Mrs. Gordon White
Mrs. John I. Wylde

## STAFF

### *Consulting Surgeon in Ophthalmology*

Walter B. Lancaster, M.D.
Peter H. Thompson, M.D.
Samuel J. McDonald, M.D.
Hugo B. C. Riemer, M.D.
Edward K. Ellis, M.D.
J. Herbert Waite, M.D.
Edmund W. Clap, M.D.
Henry Hawkins, M.D.
Samuel H. Wilkins, M.D.
Edwin B. Goodall, M.D.
John G. Jennings, M.D.

### *Consulting Surgeons in Oto-Laryngology*

Frederick L. Jack, M.D.
Joseph L. Goodale, M.D.
George L. Tobey, Jr., M.D.
D. Harold Walker, M.D.
Calvin B. Faunce, M.D.
Frederick E. Garland, M.D.
Frederick L. Bogan, M.D.
Harry A. Barnes, M.D.
Harris P. Mosher, M.D.
Leon E. White, M.D.

# EXECUTIVE OFFICERS

*Director*
Nathaniel W. Faxon, M.D.

*Assistant Director*
Francis S. Hill

*Assistant to the Director*
Annie M. Robertson, R.N.

*Chief of Ophthalmology*
Edwin B. Dunphy, M.D.

*Chief of Otology and Laryngology*
LeRoy A. Schall, M.D.

*Executive Assistants*
Ruth M. Hutchinson, R.N.
Walborg L. Peterson, R.N.
Henrietta Olsen, R.N.

*Superintendent of Nurses*
Ruth Sleeper, R.N.

*Assistant Superintendent of Nurses*
Dorothy M. Tarbox, R.N.

*Social Service Director*
Eunice W. Wilson, B.S.

*Other Departments*

| | |
|---|---|
| Kitrena C. Akins | Housekeeper |
| Harold E. Hines | Storekeeper |
| Genevieve C. Chase | Record Librarian |
| Lynette J. Bishop | Administrative Dietitian |
| Eleanor Wilson | Chief, Volunteer Service |
| Frances M. Hernan | Chief Accountant |
| Raymond V. Kinsman | Superintendent of Works |
| Jeanette Loessl | Librarian, Lucien Howe Library of Opthalmology |
| Allen H. Mathewson | Purchasing Agent |
| Albert E. Maver | Head of Optical Shop |
| Elizabeth D. Tilton | Therapeutic Dietitian |
| John Murphy | Head of Pharmacy |
| Linda F. Hall | Director, Occupational Therapy |

## DEPARTMENT OF OPHTHALMOLOGY

### *Chief of Ophthalmology*

Edwin B. Dunphy, M.D.

### *Consulting Chief of Ophthalmology*

Frederick H. Verhoeff, M.D.

### *Surgeons in Ophthalmology*

Benjamin Sachs, M.D.
Paul A. Chandler, M.D.
Theodore L. Terry, M.D.
William P. Beetham, M.D.
*Virgil G. Casten, M.D.
Trygve Gundersen, M.D.
Fred S. Thorne, M.D.

### *Associate Surgeons in Ophthalmology*

Ralph H. Ruggles, M.D.
David G. Cogan, M.D.
Merrill J. King, M.D.

### *Assistant Surgeons in Ophthalmology*

Edward E. Covitz, M.D.
Hugh C. Donahue, M.D.
Mahlon T. Easton, M.D.
Herman P. Grossman, M.D.
Paul G. Haire, M.D.
Brendan D. Leahey, M.D.
S. Forrest Martin, M.D.
Harry K. Messenger, PH.D., M.D.
Albert E. Sloane, M.D.
Garrett L. Sullivan, M.D.

### *Senior Clinical Assistants in Ophthalmology*

Harry E. Braconier, M.D.
Franklyn D. Burger, M.D.
*Thomas Cavanaugh, M.D.
Calvin B. Chamberlain, M.D.
Julian F. Chisholm, Jr., M.D.
Joseph M. Clough, M.D.
A. William Collinson, M.D.
Linley C. Happ, M.D.
Carl C. Johnson, M.D.
Sumner D. Liebman, M.D.
Joseph Lo-Presti, M.D.
Abraham Pollen, M.D.
*Daniel J. Reagan, M.D.
Paul M. Runge, M.D.
Earl S. Seale, M.D.
*Linus A. Sheehan, M.D.
H. Frederick Stephens, M.D.

### *Clinical Assistants in Ophthalmology*

Clarence H. Birdsall, M.D.
Thomas F. Capeles, M.D.
Lawrence R. Dame, M.D.
William F. Donoghue, M.D.
Lloyd J. Duest, M.D.
Honoré E. Gaudreau, M.D.
Albert N. Lemoine, Jr., M.D.
*Arthur M. Morrissey, M.D.
Bertha Offenbach, M.D.
Raymond C. Whitney, M.D.

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* On leave of absence because of military service.

## DEPARTMENT OF OTO-LARYNGOLOGY

*Chief of Otology and Laryngology*
LeRoy A. Schall, M.D.

*Surgeons in Oto-Laryngology*

George H. Poirier, M.D.
Harold G. Tobey, M.D.
Philip E. Meltzer, M.D.
Moses H. Lurie, M.D.
Gustave B. Fred, M.D.
Robert L. Goodale, M.D.

*Surgeon for Tumor Clinic*
Carl H. Ernlund, M.D.

*Surgeon for Plastic Operations*
Varaztad H. Kazanjian, D.M.D., M.D.

*Associate Surgeons in Oto-Laryngology*

Maurice G. Evans, M.D.
Francis L. Weille, M.D.
Philip Mysel, M.D.
Charles I. Johnson, M.D.

*Assistant Surgeons in Oto-Laryngology*

Charles H. Allman, M.D.
Walter J. E. Carroll, M.D.
John R. Frazee, M.D.
Edgar M. Holmes, M.D.
Vincent J. Kelley, M.D.
Donald K. Lewis, M.D.
Burton E. Lovesey, M.D.
Werner Mueller, M.D.
Josiah E. Quincy, M.D.
John R. Richardson, M.D.

*Clinical Assistants in Oto-Laryngology*

Frank W. Brady, M.D.
Calvin M. Cerrato, M.D.
Elizabeth De Blois, M.D.
Joshua C. Drooker, M.D.
Frank Gavolio, M.D.
Kenneth Kazanjian, M.D.
George Kelemen, M.D.
Charles Kent, M.D.
Edward F. Lawlor, M.D.
Joseph Lentine, M.D.
*Donald H. Macdonald, M.D.
Daniel Miller, M.D.
Alphonse L. Senecal, M.D.
Frank R. Shlossberg, M.D.
Herman J. Sternstein, M.D.
Rudolph E. Swenson, M.D.

*Clinical Assistant for Bronchoscopy and Esophagoscopy*
Edward B. Benedict, M.D.

*Consulting Pathologist*
Tracy B. Mallory, M.D.

*Pathologist*
Theodore L. Terry, M.D.

*Roentgenologist*
A. S. Macmillan,, M.D.

*Anesthetist*
Henry K. Beecher, M.D.

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* On leave of absence because of military service.

## HOUSE STAFF

*Residents in Ophthalmology*

Otto L. Zanek, M.D.
John H. Thomas, M.D.
Paul E. Floyd, M.D.
Michael J. O'Connor, M.D.
Francis J. West, M.D.
A. Ray Irvine, Jr., M.D.
Charles H. McLaughlin, M.D.
Lloyd Mills, 2nd, M.D.

*Residents in Oto-Laryngology*

John J. Ayash, M.D.
João C. Guimarães, M.D.
Bernard Zonderman, M.D.
Charles M. Leconte, M.D.
Norman Jesberg, M.D.
Joseph P. McEneaney, M.D.
Gordon H. Bobbett, M.D.

## HOWE LABORATORY OF OPHTHALMOLOGY

*Director*
David G. Cogan, M.D.

Trygve Gundersen, M.D.
Elek J. Ludvigh, PH.D.
V. Everett Kinsey, PH.D.
W. Morton Grant, M.D.

## CONSULTANTS

*Consulting Physicians*

James H. Means, M.D.
F. Dennette Adams, M.D.
Fuller Albright, M.D.
Joseph C. Aub, M.D.
Walter Bauer, M.D.
Arlie V. Bock, M.D.
*Francis R. Dieuaide, M.D.
Chester M. Jones, M.D.
Francis M. Rackemann, M.D.
Wyman Richardson, M.D.
Paul D. White, M.D.
Donald S. King, M.D.
Myles P. Baker, M.D.
Edward F. Bland, M.D.
Earle M. Chapman, M.D.
Greene FitzHugh, M.D.
Maurice Fremont-Smith, M.D.
James H. Townsend, M.D.
William W. Beckman, M.D
Allen G. Brailey, M.D.
Walter S. Burrage, M.D.
John W. Cass, Jr., M.D.
Richard J. Clark, M.D.
Milton R. Clifford, M.D.
Briant L. Decker, M.D.
John H. Fay, M.D.
James A. Halsted, M.D.
Reed Harwood, M.D.
William R. Hill, M.D.
Howard B. Jackson, M.D.
Bernard M. Jacobson, M.D.
T. Duckett Jones, M.D.
Richard B. King, M.D.
Alfred Kranes, M.D.

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* On leave of absence because of military service.

Francis T. Hunter, M.D.
Jacob Lerman, M.D.
Robert S. Palmer, M.D.
Helen S. Pittman, M.D.
Marion W. Ropes, M.D.
Charles L. Short, M.D.
Dwight L. Siscoe, M.D.
Howard B. Sprague, M.D.
Conger Williams, M.D.
Alfred O. Ludwig, M.D.
Sylvester McGinn, M.D.
John P. Monks, M.D.
Milton J. Quinn, M.D.
Rulon W. Rawson, M.D.
George P. Sturgis, M.D.
*John H. Talbott, M.D.
Roy R. Wheeler, M.D.
John W. Zeller, M.D.

### *Consulting Dermatologists*

C. Guy Lane, M.D.
Jacob H. Swartz, M.D.
Austin W. Cheever, M.D.
Ethel M. Rockwood, M.D.
Maurice M. Tolman, M.D.
John Adams, Jr., M.D.
G. Marshall Crawford, M.D.
Mildred Ryan, M.D.

### *Consulting Neurologists*

James B. Ayer, M.D.
George Clymer, M.D.
Henry R. Viets, M.D.
Charles A. McDonald, M.D.
G. Colket Caner, M.D.
Charles S. Kubik, M.D.
Madelaine R. Brown, M.D.
Edwin M. Cole, M.D.
Augustus S. Rose, M.D.
Robert S. Schwab, M.D.

### *Consulting Psychiatrists*

Stanley Cobb, M.D.
Kenneth J. Tillotson, M.D.
Jacob E. Finesinger, M.D.
Erich Lindemann, M.D.
Charles S. Kubik, M.D.
L. Raymond Morrison, M.D.
Bernard Bandler, M.D.
Herbert Barry, Jr., M.D.
R. Barry Bigelow, M.D.
Vernon P. Williams, M.D.

### *Consulting Pediatricians*

Allan M. Butler, M.D.
Richard S. Eustis, M.D.
Joseph Garland, M.D.
Edward S. O'Keefe, M.D.
Arthur Bates Lyon, M.D.
Eli C. Romberg, M.D.
Richard C. Tefft, Jr., M.D.
Leo B. Burgin, M.D.
Ralph W. Daffinee, M.D.
Ralph A. Ross, M.D.
Nathan B. Talbot, M.D.
William J. Turtle, M.D.

### *Consulting Surgeons*

Arthur W. Allen, M.D.
Edward D. Churchill, M.D.
Leland S. McKittrick, M.D.
Ernest M. Daland, M.D.
Robert R. Linton, M.D.
Horatio Rogers, M.D.
Richard H. Wallace, M.D.
Claude E. Welch, M.D.
*Franklin G. Balch, Jr., M.D.
*Bradford Cannon, M.D.

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* On leave of absence because of military service.

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|---|---|
| *A. William Reggio, M.D. | Gordon A. Donaldson, M.D. |
| Oliver Cope, M.D. | Ward I. Gregg, M.D. |
| Langdon Parsons, M.D. | Edward Hamlin, Jr., M.D. |
| Horace K. Sowles, M.D. | Francis D. Moore, M.D. |
| Richard H. Sweet, M.D. | Ira T. Nathanson, M.D. |
| Grantley W. Taylor, M.D. | Fiorindo A. Simeone, M.D. |
| Marshall K. Bartlett, M.D. | Fred A. Simmons, Jr., M.D. |
| *Henry H. Faxon, M.D. | Somers H. Sturgis, M.D. |
| E. Parker Hayden, M.D. | Richard Warren, M.D. |

Howard Ulfelder, M.D.

### *Consulting Endoscopist*

Edward B. Benedict, M.D.

### *Consulting Neurosurgeons*

| | |
|---|---|
| James C. White, M.D. | Jost J. Michelsen, M.D. |

### *Consulting Orthopedists*

| | |
|---|---|
| Marius N. Smith-Petersen, M.D. | George W. Van Gorder, M.D. |
| Armin Klein, M.D. | Joseph S. Barr, M.D. |
| William A. Rogers, M.D. | Edwin F. Cave, M.D. |

Paul L. Norton, M.D.

### *Consulting Urologists*

| | |
|---|---|
| Fletcher H. Colby, M.D. | Sylvester B. Kelley, M.D. |
| Richard Chute, M.D. | Wyland F. Leadbetter, Jr., M.D. |

Howard I. Suby, M.D.

### *Consulting Pathologists*

| | |
|---|---|
| Francis T. Hunter, M.D. | Benjamin Castleman, M.D. |
| Wyman Richardson, M.D. | Donald C. Sniffen, M.D. |

Charles E. Kubik, M.D.

### *Consulting Bacteriologist*

Louis Dienes, M.D.

### *Consulting Radiologists*

| | |
|---|---|
| Laurence L. Robbins, M.D. | Milford D. Schultz, M.D. |
| James R. Lingley, M.D. | Clayton H. Hale, M.D. |
| Richard Schatzki, M.D. | Emery O. Lewis, M.D. |

### *Consultant in Contagious Diseases*

Edwin H. Place, M.D.

### *Consultant in Preventive Medicine*

*John E. Gordon, M.D.

### *Consultant in Pharmacology*

Otto Krayer, M.D.

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* On leave of absence because of military service.

# Brief History of the Massachusetts Eye and Ear Infirmary

THE MASSACHUSETTS EYE AND EAR INFIRMARY had its inception in the latter part of 1824 when Dr. Edward Reynolds and Dr. John Jeffries established a free clinic for the treatment of the eye in a small room in the Scollay Building situated in what is now the center of Scollay Square. It is the second oldest institution of its kind in the United States, the New York Eye and Ear Infirmary having been founded in 1820.

In the first sixteen months nearly 900 patients were treated, and so successful was the undertaking that in March, 1826, with the aid of friends, a public subscription was started and the Boston Eye Infirmary was formed. In 1827 it was formally incorporated as the Massachusetts Charitable Eye and Ear Infirmary (changed to the Massachusetts Eye and Ear Infirmary in 1924) and shortly moved to larger quarters at the corner of Court and Tremont Streets. The Infirmary was open from 12 to 1 o'clock for gratuitous treatment of the eye and ear. In 1827 there were reported 583 cases of eye diseases and 98 of ear diseases. The receipts were $473.62 and the expenses $333.62.

By 1836 the Infirmary was so well known that one-third of the patients came from outside of Boston and 153 towns and cities were represented. Owing to the increase in the number of patients, the Infirmary was removed in 1836 to the Salisbury Building on Summer Street, and three years later the Gore mansion on Green Street near Bowdoin Square was purchased. To enable the Infirmary to do this, the Commonwealth gave $5,000 and an additional grant of $2,000 a year, for five years. Here for the first time ward patients could be accommodated to the number of twenty. Previously they had been placed in boarding houses in the neighborhood. Facilities were provided for a school of observation, as it was called, for medical students and Dr. Jeffries gave a course of lectures at the Infirmary which was followed by lectures for six successive years by Dr. Reynolds at the Tremont Medical School. Daily clinics for students were held.

By 1849 the Gore mansion had become too small to take care of the increasing number of patients, in that year 2,000. With the aid of a generous grant from the Commonwealth and funds raised by subscriptions, property on Charles Street near Cambridge Street was purchased and a new Infirmary built and dedicated in 1850. Later a wing was added. In 1871 the Ear Department was organized and by 1876 the patients in that department numbered 2,250.

The first Charles Street building, which had housed the Infirmary for over fifty years, proved inadequate, and the Out-Patient Department was much over-crowded, with an average weekly attendance of 1,200. With the aid of a grant from the Commonwealth of $100,000, the present site was purchased and the building was completed in March, 1899. Since the last Constitutional Convention the Infirmary cannot by law receive any grant from the Commonwealth. Social Service was instituted in 1907. The Gardner Building for the treatment of contagious diseases of the eye was added shortly and in 1909 a separate building was built for the Pathological Laboratory. In the same year a Nurses' Home was built on the site of the old Infirmary, to house 94 people, and later the space formerly occupied by nurses in the Infirmary was changed into a private ward. A school for graduate and affiliated nurses which gives special training in the care of diseases of the eye, ear, nose and throat is maintained.

In the year 1922 the Laryngological Department of The Massachusetts General Hospital was granted the use of beds in the Infirmary and became a department of the Infirmary. Since 1925 the surgeons of the Aural and Laryngological departments appear in one group as Oto-Laryngologists. January 1st, 1928, the Laryngological Out-Patient Department of the Massachusetts General Hospital was taken over by the Infirmary. At the same time the Out-Patient Departments of the Infirmary and the Massachusetts General Hospital were housed together in a new building erected on Fruit Street on land owned by the two institutions. Also in 1928 the Howe Laboratory of Ophthalmology was established through the generosity of the late Dr. Lucien Howe, who gave $250,000 towards a fund of $500,000 given to Harvard College, the income to be used for Research work.

# Report of the Managers

Although 1945 saw the end of the war, the difficult conditions engendered by it will be felt for some time to come. Many of our doctors who were in the Service have returned, including Dr. Edwin B. Dunphy, Chief of the Eye Department, but the Hospital still is understaffed, particularly in view of the increased graduate instruction which has been undertaken to assist returning veterans. Of an authorized nursing personnel of 110, there were on December Thirty-first only eighty—a shortage of one head nurse, one assistant head nurse, five staff nurses, sixteen attendants and three orderlies. Fortunately, the volunteer service has grown, both in numbers and volume of service, as well as the number of graduate and student nurses who come to the Infirmary for two months of instruction and experience in our specialties. Last year ninety-nine graduate and student nurses took the two months course. In addition, the Massachusetts General Hospital sent us 122 student nurses for experience in our children's ward for periods ranging from seven to fourteen days and twenty-seven student nurses for training in our operating rooms. It has been and still is almost impossible to purchase many of the materials, utensils and equipment required to maintain the efficiency of our service and to improve our facilities. For example, necessary equipment for kitchens and utility rooms ordered a year ago is still "on order." Nevertheless, the Hospital is in better shape, physically, today than it was a year ago, and 1946 will see further improvement both in the plant and the care and treatment of patients.

The Hospital now has in use 108 beds for adults in its public wards, 30 beds for children in its children's ward and 42 beds in its private ward. In addition, the isolation ward can care for nine adults, five children and four infants. In 1945 there were 6,201 admissions to the Hospital, and 5,713 operations were performed. Nearly every known condition and disease within the Infirmary's specialties were encountered and treated by medical and surgical means.

In the Out-Patient Department there were 67,932 admissions, an average of 225 per day. Of these, 39,070 were served by the Eye Clinic, 18,400 by the Ear Clinic, 10,642 by the Nose and Throat Clinic, 1,036 by the Clinic for the Deaf and 670 by the Plastic Clinic. 1,458 operations of a minor nature were performed in the Out-Patient Clinics. Of the patients who came to the Out-Patient Department, 3,649 were found to require hospitalization and were admitted to the public wards in the Hospital.

The Emergency Ward had 4,662 admissions, of which 4,280 were discharged after treatment and 382 were removed to the Hospital for further care.

The X-Ray Department, equipped for both examination and treatment, made 6,816 examinations of 5,818 patients from the Hospital, Out-Patient Department and Emergency Ward.

The Medical Social Service Department now consists of a Director and 7 social workers. Of the latter, 4 are assigned to the Eye Clinic, two to the Ear Clinic and Clinic for the Deaf and one exclusively to the Nose and Throat and Tumor Clinics. During 1945 there were 4,412 referrals to this department for advice and follow-up programs.

Extensive study has been carried on the past year of preschool blind children who present to their parents problems in management. There are now over eighty children who have been referred to this Department for consultation and special services. Through the cooperation of Perkins Institution and Massachusetts School for the Blind and a committee of experts in the field an educational program was developed for mothers and children which has produced excellent results. It demonstrated that some of these children who were erroneously considered by experts to be mentally retarded had normal mental processes but that their consciousness had not been reached previously. The miracles wrought in some of these families should be known to every friend of the Infirmary.

At the end of the year 1,593 patients were listed in the Glaucoma follow-up program. 208 patients were added to the program during the year, and 370 were discharged. One secretary devoted her entire time to see that patients visited the clinic regularly, particularly those in need of help in relation to their medical treatment or adjustment to loss of vision.

In the Clinic For The Deaf, work with the hard of hearing children has been continued in order that by dealing with their handicap early in life serious future problems may be avoided. Two children were referred to schools for the deaf, seventy-seven were reported to the schools for hearing loss and sixty-three were referred for instruction in lip reading. Classes for deaf children are now being held five afternoons each week to improve their speaking voice.

During the war years the Howe Laboratory of Ophthalmology devoted its efforts largely to war problems centering about the study of war gases and the development and testing of range-finding trainers, sights for fire control on bombers and radar training apparatus. The Laboratory has now been largely reconverted to peacetime activities and is engaged in a number of research problems: an investigation of ultraviolet keratitis and the relative protective effect of various types of glass, studies on corneal permeability, the determination of the nutritional requirements of the endothelium, studies on intraocular fluid dynamics, a comprehensive study on toxicology of the eye especially as it relates to industrial substances, a review of ocular complications of malaria, the development of a means of determining those persons with strabismus who may be benefited by orthoptic training, studies of visual acuity based on color perception and of visual perception of movement and an investigation of the effects on vision on exposure to radiant energy. The American Optical Company has just granted financial assistance to the Laboratory for a three year research in physiologic optics and the Markle Foundation for a two year study of intraocular fluid fomation.

The Pathology Laboratory (Eye), in addition to handling the routine pathology of the Infirmary, has concentrated in the study of retrolental fibroplasia in infants which causes blindness. The research demands a comprehensive inquiry into all aspects of the disease requiring detailed laboratory study and clinical investigation. In this work valuable assistance has been rendered by the Harvard Medical School, Massachusetts General Hospital, Boston Lying-In Hospital, Children's Hospital and others.

The pathologic specimens for microscopic study arising from the research activities have been numerous, and details of clinical studies have developed considerably. 100 children were under close follow-up at the end of the year. They are subjected to periodic examination. The details of the examination are registered on a quantitative basis, and miniature photographs give a record of head and eye development. Although no effective curative treatment has yet been developed, both medical and surgical aids have been devised to prevent and eradicate the various complications which occur. These, in some instances, prevent total destruction of the eyes and, in others, preserve a small amount of vision.

The periodic examination system is proving to be of tremendous psychologic value to the parents. They are able to meet others with the same troubles and by the exchange of ideas to help each other give their children a real opportunity for a ful life. In the development of a rational view of the problem the Social Service Department is rendering a service of inestimable value. Children whose vision is relatively as hopeless as these need treatment and supervision far beyond that of a physician.

The Mosher Laboratory has continued to attend to all of the routine blood counts and urinalyses for the Infirmary. 12,860 examinations were made in 1945. During the war, the pathologic work of the Ear, Nose and Throat Department has been sent to the Massachusetts General Hospital, but it is now proposed to transfer that work back to the Mosher Laboratory where it can receive the immediate attention it deserves. The Laboratory has also participated in the research work conducted by the Infirmary in oto-sclerosis, one of the principal causes of deafness, and its relief by the fenestration operation. To promote and expand this research so as to cover the field of deafness, the Infirmary has created a new Medical and Surgical Service for the Deaf under Dr. Philip E. Meltzer.

The Laboratory and the Medical Social Service Department are engaged in an intensive follow-up program for patients who have undergone the operation for the removal of the Larynx. Classes are held Saturday mornings at the Infirmary for the development of the so-called esophageal voice under the direction of a school teacher who lost her own larynx, trained herself to speak again and is now back at her old job.

The Bacteriological Laboratory established several years ago has become one of our most valued assets. The scientific identification of the infecting organism is necessary for the selection of the proper chemotherapeutic agent, particularly in view of the recent advances in chemotherapy and in bacteriostatic agents. Blood chemistry determinations to insure sufficient dosage, tests for sensitivity or resistance of the organism to the agent, the growth and analysis of cultures and many other chemical investigations are now performed at this Laboratory and 5,263 such tests were handled during 1945.

The Infirmary is a teaching hospital where doctors, medical students and nurses receive their training in our specialties. In addition, many of the Infirmary staff teach at the Harvard Medical School. The instruction of doctors is divided into the training of the house officers, or resident staff, and post graduate courses for physicians. House officers, of whom eleven are authorized in each of the two departments, are selected by competitive examination from applicants who have completed a general internship of at least one year after graduation from a medical school of the highest standing. That competition is high is indicated by the fact that at the most recent examinations conducted by the Eye Department there were twenty-eight applicants for three places. The residency for 1946 occupies a period of twenty-seven months, of which the first three are devoted solely to the study of the basic sciences, the next twelve are spent as a junior House Officer and the last year as a senior

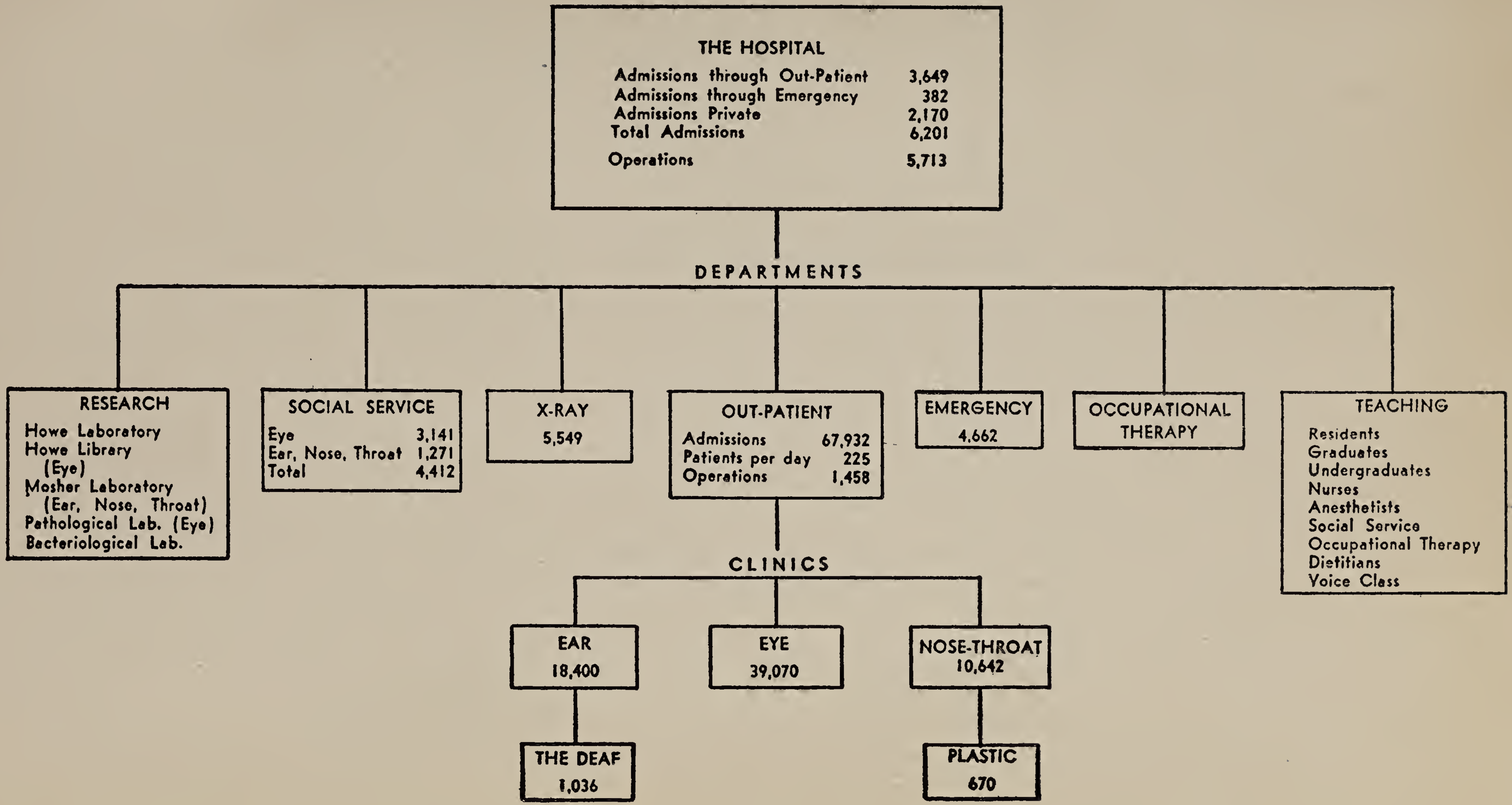
House Officer. Responsibility is carefully graded upward during the residency to correspond with the experience gained in the care of patients and in surgical technique. Special training supplemented by lectures is given all residents regularly by qualified instructors and members of the staff, and prior to graduation each resident is required to submit a thesis on some topic approved by The Thesis Committee. Since the residency has been accepted by the Harvard Medical School as a graduate course, a House Officer who has successfully completed his period of training and has written an acceptable thesis will, upon recommendation of the Chief of the Department, be granted a certificate by the School.

Post graduate courses for physicians were suspended during the war, but have now been revived to care for discharged Army and Navy medical officers desiring refresher courses and special training preparatory to a residency. At present some forty-five veterans, thirty in the Eye Department and fifteen in the Ear, Nose and Throat Department, carefully selected on the basis of their educational background and aptitude, are hard at work. It is not intended to make them qualified specialists but to ground them thoroughly in basic principles. In the case of those who had qualified before the war, this training will serve the purpose of review and reorientation.

The Managers, for themselves and the thousands who came for help to the Hospital, the Out-Patient Department and the Emergency Ward, thank each and every member of the staff, the nurses, the employees, the Ladies' Visiting Committee and the Volunteers, for their loyalty and untiring devotion to the work of the Infirmary.

The Board of Managers
By Henry Hixon Meyer
*President*

# MASSACHUSETTS EYE AND EAR INFIRMARY
## 1945


THE HOSPITAL
Admissions through Out-Patient 3,649
Admissions through Emergency 382
Admissions Private 2,170
Total Admissions 6,201
Operations 5,713
DEPARTMENTS
RESEARCH
Howe Laboratory
Howe Library (Eye)
Mosher Laboratory (Ear, Nose, Throat)
Pathological Lab. (Eye)
Bacteriological Lab.
SOCIAL SERVICE
Eye 3,141
Ear, Nose, Throat 1,271
Total 4,412
X-RAY
5,549
OUT-PATIENT
Admissions 67,932
Patients per day 225
Operations 1,458
EMERGENCY
4,662
OCCUPATIONAL THERAPY
TEACHING
Residents
Graduates
Undergraduates
Nurses
Anesthetists
Social Service
Occupational Therapy
Dietitians
Voice Class
CLINICS
EAR
18,400
EYE
39,070
NOSE-THROAT
10,642
THE DEAF
1,036
PLASTIC
670

# Report of the Treasurer

## BALANCE SHEET

December 31, 1945

### Assets

| | | |
|---|---|---|
| Land—Buildings—book value | | $ 491,741.99 |
| Investments—book value | | |
| Securities | $2,114,608.21 | |
| Interest in parcel of real estate | 1.00 | 2,114,609.21 |
| Cash on hand: | | |
| Capital Account | 167,875.70 | |
| Income Account | 8,057.10 | 175,932.80 |
| Accounts Receivable: | | |
| Patients (less reserve) | $ 13,505.76 | |
| Miscellaneous | 29,985.67 | 43,491.43 |
| Inventory of supplies, etc. | | 15,984.70 |
| TOTAL | | $2,841,760.13 |

### Funds and Liabilities

| | |
|---|---|
| General Fund | $1,495,558.49 |
| Permanent Funds—Income Restricted | 398,530.05 |
| Permanent Funds—Income Unrestricted | 915,948.41 |
| Special Purpose Funds | 20,287.95 |
| Unexpended Restricted Income | 8,057.10 |
| Advances from patients | 1,038.67 |
| Accrued expenses | 2,339.46 |
| TOTAL | $2,841,760.13 |

## INCOME ACCOUNT

*For the year ended December 31, 1945*

| | | | |
|---|---|---|---|
| Hospital income as per Director's report | | | $408,831.04 |
| LESS: | | | |
| Hospital operating expenses per Director's report | | $577,746.87 | |
| Hospital operating expense charged directly against Permanent Funds | | 19,591.76 | |
| | | $597,338.63 | |
| DEDUCT: | | | |
| Hospital operating expenses chargeable against funds: | | | |
| Permanent Funds—Investment Income | $ 5,108.62 | | |
| Permanent Funds—Principal | 14,483.14 | 19,591.76 | |
| NET HOSPITAL EXPENSES | | | 577,746.87 |
| EXCESS OF HOSPITAL EXPENSES OVER HOSPITAL INCOME | | | $168,915.83 |
| Income from investment securities, less income applicable to restricted funds not expended | | $ 82,538.00 | |
| Receipts from Community Federation of Boston, Committee of the Permanent Charity Fund, Inc. Estates of Elisha V. Ashton, Albert N. Blodgett, G. Gorham Peters, and Helen O. Storrow, and contributions for general purposes (excluding contributions for special purposes) | | 36,682.79 | |
| | | $119,220.79 | |
| LESS: | | | |
| Treasurer's expenses | | 5,864.81 | 113,355.98 |
| EXCESS OF EXPENDITURES OVER INCOME ON INCOME ACCOUNT | | | $ 55,559.85 |

HORACE W. FROST,
*Treasurer*

PATTERSON, TEELE AND DENNIS,
*Auditors*

## SUMMARY OF INVESTMENTS

(as of December 31, 1945)

| | *Book Value* | *Market Value* | *% Mkt. Value* |
|---|---|---|---|
| **BONDS** | | | |
| U. S. Government | $368,759 | $369,610 | 15.06 |
| Canadian | 24,097 | 27,150 | 1.10 |
| Railroad | 241,052 | 277,300 | 11.30 |
| Public Utility | 140,609 | 147,500 | 6.05 |
| Industrial | 95,610 | 98,720 | 4.02 |
| Miscellaneous | 15,175 | 15,750 | .64 |
| TOTAL BONDS | $885,302 | $936,030 | 38.17 |
| PREFERRED STOCKS | $219,489 | $259,400 | 10.56 |
| COMMON STOCKS: | | | |
| Railroad | 98,230 | 119,200 | 4.85 |
| Public Utility | 157,595 | 188,290 | 7.67 |
| Industrial | 456,515 | 633,245 | 25.80 |
| Bank, Insurance & Miscellaneous | 243,569 | 259,050 | 10.55 |
| TOTAL COMMON STOCKS | $955,909 | $1,199,785 | 48.87 |
| WINTHROP FUND | 38,806 | 44,400 | 1.80 |
| OTHER FUNDS | 15,100 | 14,736 | .60 |
| GRAND TOTAL | $2,114,606 | $2,454,351 | 100.00 |

*The Managers gratefully acknowledge receipt of the following legacies and gifts during the year 1945:*

| | |
|---|---|
| Estate of Josiah P. Bradlee | $ 1,771.29 |
| Additional, making a total of $269,132.53 | |
| Estate of Jere A. Downs | 145.00 |
| Additional, making a total of $15,145.00 | |
| Estate of Ruey B. Stevens | 1,000.00 |
| Estate of Elizabeth R. Stevens | 231.23 |
| Additional, making a total of $546,025.34 | |
| Anna W. Perkins Fund | 5,000.00 |
| Gift of Mrs. Isabel Anderson in memory of her mother, Mrs. Anna W. Perkins. | |
| Italian Memorial Fund | 3,927.50 |

Established through the efforts of Dr. Gerardo B. Balboni.

Income only to be used:

1. For the care of patients with cancer of the throat.
2. For research into the cause and cure of cancer.
3. Then in any other way that the Managers may decide.

Additional gifts, making a total of $4,952.50

| | |
|---|---|
| Fund for Research for Pathological Laboratory<br>Contribution of Marion R. Ascoli Fund | 5,000.00 |
| Neal Rantoul Fund<br>Additional gift of Mr. Neal Rantoul, making a total of $59,537.50 | 31,500.00 |
| Alumni Fund<br>Additional, making a total of $2,995.91 | 1,364.00 |
| The John and Martha Lawrence Fund<br>Additional, making a total of $13,160.95 | 1,000.00 |

## GIFTS FOR SPECIAL PURPOSES
### Received during 1945

| | | |
|---|---|---|
| Fund for Chairs for Third Floor | | |
| Mrs. Richard Cary Curtis | | $ 200.00 |
| Fund for Christmas | | |
| George A. Parker, Trustees | $ 75.00 | |
| Frances D. Robins | 15.00 | 90.00 |
| Clinic for The Deaf | | |
| T. C. Haffenerfer | | 300.00 |
| Free Bed Fund | | |
| Ernest E. Wheeler | $ 500.00 | |
| Earl I. Currier | 10.00 | |
| Massachusetts Charitable Fire Society | 50.00 | 560.00 |
| Fund for Special Aid to Patients of Dr. Robert L. Goodale | | |
| Miss Charlotte Pierce | | 100.00 |
| Fund for Magazines | | |
| The Ladies Visiting Committee | | 17.20 |
| Fund for Dr. Mosher's Laboratory | | |
| Lucy S. Thorndike | $ 10.00 | |
| Dr. Samuel Cline | 175.00 | |
| Howard D. Johnson Co. | 1,500.00 | |
| Dr. James T. King | 100.00 | |
| Godfrey M. Hyams Trust | 2,500.00 | 4,285.00 |
| Fund toward Supplies of Occupational Therapy | | |
| The Ladies Visiting Committee | 250.00 | |
| Mrs. Richard Cary Curtis | 100.00 | |
| L. F. Larson | 5.00 | |
| Anonymous | 10.66 | 365.66 |
| Otosclerosis Fund | | |
| The Baker Family Foundation | | 300.00 |
| Special Fund for Research for Otosclerosis | | |
| Dr. Julius Lempert | $1,800.00 | |
| Esther I. Persson | 100.00 | |
| Allan G. Ballard | 500.00 | |
| Mrs. Morris Ferer | 200.00 | 2,600.00 |
| Special Fund for Research—Pathological Laboratory | | |
| R. W. Herbord | $ 150.00 | |

| | | |
|---|---|---|
| Rauol G. Herault | 310.00 | |
| Mr. and Mrs. Thomas McCuska | 10.00 | |
| Mrs. Richard Chapman | 80.00 | |
| Mrs. Dominic Mario | 150.00 | |
| Mrs. James Moynihan | 15.00 | |
| Mr. and Mrs. Harold Fearon | 250.00 | |
| Mr. and Mrs. George Ritchie | 125.00 | |
| Mr. and Mrs. Walter Sonita | 20.00 | |
| Mr. Saul Baron | 35.00 | |
| Mrs. Ruth Galleshaw | 35.00 | |
| Milton E. Krentz | 50.00 | |
| Dr. Hugh Folsom | 15.00 | |
| Mrs. E. Charlantini | 50.00 | |
| Mrs. Clyde Barrows | 10.00 | |
| Mrs. John Crahan | 10.00 | |
| Mrs. Fred Reincke | 10.00 | |
| Mrs. Ernest Deronian | 10.00 | |
| Mrs. Howard Wood | 5.00 | |
| William Cassell | 10.00 | |
| J. Cohen | 3.00 | |
| Mrs. Elizabeth Nealon | 10.00 | |
| Walter W. Hellman | 20.00 | |
| Mrs. Philip Jackson | 50.00 | |
| Mrs. Ralph Paolilli | 15.00 | |
| Margaret M. Royal | 100.00 | |
| Mrs. Chester Royenski | 10.00 | |
| Mrs. Fred English | 10.00 | |
| Gerald Covici | 10.00 | |
| Mr. and Mrs. Robert Welch | 5.00 | |
| John N. Granoff | 500.00 | |
| Mrs. Pearl Sheff | 10.00 | |
| C. R. Nies | 25.00 | |
| Dr. T. L. Terry | 100.00 | |
| Mr. and Mrs. William Davis | 15.00 | |
| Mr. and Mrs. Daniel R. Edwards | 30.00 | |
| A. N. Sack | 250.00 | |
| Mrs. John Farnum | 30.00 | |
| Mrs. Arlene De Rayon | 15.00 | |
| Mrs. Milton Goldberg | 50.00 | |
| Mrs. Saul Silvers | 10.00 | |
| Mrs. George Kelley | 100.00 | |
| Mr. and Mrs. Frederick C. Shipley | 25.00 | 2,743.00 |
| Fund for Premature Babies | | |
| Mrs. Frederick A. English | $ 5.00 | |

| | | |
|---|---|---|
| Mr. and Mrs. William Davis | 10.00 | |
| Mr. Ernest Herouin | 25.00 | |
| Mrs. Margaret Meumier | 5.00 | |
| Mr. and Mrs. J. W. Galleshaw | 10.00 | |
| Mrs. C. R. Nies | 10.00 | |
| Walter Strobel | 15.00 | |
| Mrs. Elizabeth Wood | 12.69 | |
| Anonymous | 3.00 | 95.69 |
| Permanent Charity Relief Fund | | |
| Committee of the Permanent Charity Fund, Inc. | | 750.00 |
| Social Service Fund—Overseers Cases | | |
| Greater Boston Community Fund | | 500.00 |
| Nelson E. Weeks Fund | | |
| Committee of the Permanent Charity Fund, Inc. | | 500.00 |
| Special Fund to be used under direction of Dr. F. L. Weille in the Ear, Nose and Throat Departments | | |
| William Storer Eaton | $8,700.00 | |
| Spencer Tracy | 500.00 | |
| Sumner and Mary Pingree | 400.00 | 9,600.00 |
| TOTAL DONATIONS | | $23,006.55 |

## PERMANENT FUNDS—INCOME RESTRICTED

| | | |
|---|---|---|
| 1876 | BEQUEST UNDER WILL OF MISS SUSAN P. GRAY<br>Income to be applied to the relief and assistance of poor patients of the Infirmary. | $ 1,000.00 |
| 1882 | BERKSHIRE FUND<br>Gift of Zenas M. Crane to establish a free bed to be known as the "Berkshire Bed," and to be used by preference by patients coming from Pittsfield, Massachusetts, or the adjacent locality. | 5,000.00 |
| 1889 | BEQUEST UNDER WILL OF ELISHA T. LORING<br>Income to be applied for the benefit of destitute patients. | 3,500.00 |
| 1898 | JOHN W. AND BELINDA L. RANDALL FUND<br>Income, so far as practical, to be used to increase and diffuse knowledge in relation to health and disease of the eye and ear. | 30,000.00 |
| 1898 | THE FREDERICK E. WEBER FUND<br>Bequest under the will of Frederick E. Weber to be designated "The Frederick E. Weber Fund." One-half of the net income of the Fund and of its accumulations in each year shall each year be expended for the charitable purposes of the Infirmary. | 9,448.03 |
| 1899 | THE THEODORE CHASE MEMORIAL FUND<br>Gift of Mrs. Theodore Chase to establish "The Theodore Chase Memorial Fund." Income to be used for books and magazines for aural patients. | 2,500.00 |
| 1901 | AURAL SURGEONS' FUND<br>Gift of Dr. Clarence J. Blake to provide a fund to be known as the "Aural Surgeons' Fund." Income to be spent by the Surgeons only in the Aural Department. | 16,227.18 |
| 1901 | BEQUEST UNDER WILL OF HENRY SALTONSTALL<br>Annual income to be applied in equal shares to the Aural and Ophthalmic Departments. | 10,000.00 |
| 1909 | BEQUEST UNDER WILL OF FREDERICK R. SEARS<br>Income to be used in any way that may add to the happiness and comfort, or that may tend to lighten the weary hours, of those unfortunates who may be afflicted with diseases of the eye, by rendering assistance to the families of such as are deserving and poor, and by providing such extra comforts to them and their families as may seem proper to the officers of the Infirmary. | 20,000.00 |

| | | |
|---|---|---|
| 1912 | The Fund for the Maintenance of the Gardner Building<br>Gift of Mr. Shepherd Brooks | 23,275.31 |
| 1912 | Social Service Fund<br>Gift of Mrs. Shepherd Brooks. | 5,000.00 |
| 1914/15 | Bequest under Will of William S. Hills<br>Income only to be used for free patients. | 10,000.00 |
| 1916 | Bequest under Will of Mitchell A. Dearborn<br>Income to be used for Social Service work. | 1,000.00 |
| 1923 | William F. Watson Free Bed Fund<br>Bequest under will of Catherine E. Watson to establish a free bed in the Aural Department, to be known as the "William F. Watson Free Bed." | 6,000.00 |
| 1928 | Mary Lowell Stone Fund<br>Gift of Miss E. F. Munroe to establish a fund to be designated the "Mary Lowell Stone Fund," income to be used for needy, deserving patients. | 2,450.00 |
| 1932/44 | George Strong Derby Memorial Fund<br>Income to be applied annually under the direction of the Board of Surgeons and the Board of Managers to continue the work of Doctor Derby along medical-social service lines. | 13,070.10 |
| 1938 | Bequest under Will of Charlotte S. Sprague<br>For the endowment of a free bed in memory of Elizabeth J. Ward, the occupancy of said bed to be designated by the Rector of Emmanuel Church in Boston. | 10,000.00 |
| 1941/42 | Henry Clay Jackson Fund<br>Gift by the Trustees of the Paul Wilde Jackson Trust to establish a fund to be known as the "Henry Clay Jackson Fund," income only to be used to help children afflicted or threatened with deafness. | 59,459.87 |
| 1943/45 | Neal Rantoul Fund<br>Gift of Mr. Neal Rantoul to establish a fund to be known as the Neal Rantoul Fund, the income only of which is to be used exclusively for the purpose of furthering the investigation of the causes of deafness in children and in adults, and to provide assistance and treatment for the relief and amelioration of deafness, by medical, surgical or mechanical means. | 59,537.50 |

| | | |
|---|---|---|
| 1944 | Winthrop Fund<br>Gift of Mr. Frederic Winthrop to establish a fund for scientific research into the causes of deafness and the medical and surgical means for its relief and cure. | 42,459.36 |
| 1944 | F. Ward Paine Fund<br>Permanent fund to be known as the F. Ward Paine Fund, the income only to be used and to be spent as the Managers may decide, but preferably for patients afflicted with glaucoma or detached retina, or for research in connection with these two diseases of the eye. | 10,000.00 |
| 1944 | Fund for Research for Pathological Laboratory<br>Gift of J. Edgar Pew<br>Mrs. Mabel Pew Myrin<br>Miss Mary Ethel Pew<br>J. Howard Pew<br>J. N. Pew, Jr.<br>Mrs. Martha Layng Pew<br>to be applied as a Fund for Research for Pathological Laboratory under the direction of Dr. T. L. Terry for making a study to find the cause, and if possible the cure, for blindness occurring to certain prematurely born babies. | 21,753.89 |
| 1944 | Building Fund | 2,112.06 |
| 1944 | Bequest under Will of Elmina M. Melanson<br>Income only to be used for the treatment of glaucoma cases. | 6,313.30 |
| 1944/45 | Italian Memorial Fund<br>Established through the efforts of Dr. Gerardo M. Balboni. Income only to be used—<br>1. For the care of patients with cancer of the throat.<br>2. For research into the cause and cure of cancer.<br>3. Then in any other way that the Managers may decide. | 4,952.50 |

| | | |
|---|---|---|
| 1938/45 | The John and Martha Lawrence Fund<br>Established by the Ladies' Visiting Committee. | 13,160.95 |
| 1943/45 | Alumni Fund<br>Established by the Alumni Association of the Massachusetts Eye and Ear Infirmary. | 2,995.91 |
| 1945 | Fund in Memory of Mrs. Anna W. Perkins<br>Gift of Mrs. Isabel Anderson in memory of her mother Anna W. Perkins. | 5,173.87 |

## PERMANENT FUNDS—INCOME UNRESTRICTED

| | | |
|---|---|---|
| 1850 | Bequest under Will of John Bromfield | $10,000.00 |
| 1871 | Joy Fund<br>Bequest under will of Miss Nabby Joy to be designated the "Joy Fund." | 10,000.00 |
| 1882 | Nathaniel Thayer Fund<br>Gift of Mr. Nathaniel Thayer to be known as the "Nathaniel Thayer Fund." | 54,570.00 |
| 1887 | Perkins Fund<br>Bequest under will of Richard Perkins to be known as the "Perkins Fund." | 10,000.00 |
| 1890 | Ellen M. Gifford Fund<br>Bequest under will of Mrs. Ellen M. Gifford to be called the "Ellen M. Gifford Fund." | 5,000.00 |
| 1891 | Bequest under Will of J. Huntington Wolcott | 1,500.00 |
| 1895 | Bequest under Will of Samuel E. Sawyer | 2,382.20 |
| 1896/97 | Ann White Vose Fund | 18,591.54 |
| 1898 | Bequest under Will of Henry L. Pierce | 20,000.00 |
| 1907 | Adelaide Le Compte Spalding Fund<br>Gift of Francis D. Le Compte in memory of Adelaide LeCompte Spalding. | 25,000.00 |
| 1912 | Julia M. Moseley Fund | 6,190.47 |
| 1915 | Bequest under Will of Harriet Otis Cruft | 10,000.00 |
| 1921 | Bequest under Will of Clara B. Kimball | 1,050.00 |
| 1921 | Charles Frederick Smith Fund<br>Bequest under will of Charles Frederick Smith to be known as the "Charles Frederick Smith Fund." | 8,663.00 |
| 1923 | Bequest under Will of Harriet S. Hazeltine | 13,000.00 |
| 1924/36 | Bequest under Will of Joseph B Glover | 28,936.58 |
| 1924 | Anna P. Rogers Fund<br>Bequest under will of Anna P. Rogers to be known as the "Anna P. Rogers Fund." | 10,000.00 |

| | | |
|---|---|---|
| 1927 | Alice-Lee Thomas Stevenson Fund<br>Gift of Robert H. Stevenson, Jr. to establish a fund to be known as the "Alice-Lee Thomas Stevenson Fund." | 10,000.00 |
| 1927 | Charles C. Ely Fund | 5,000.00 |
| 1927 | Dr. E. H. Bradford Fund<br>Gift of Mrs. Edith Fiske Bradford in memory of her husband to establish a fund to be known as the "Dr. E. H. Bradford Fund." | 1,000.00 |
| 1927 | Levina B. Urbino Fund<br>Bequest under will of Samson R. Urbino to establish a fund to be known as the "Levina B. Urbino Fund" | 500.00 |
| 1927 | Walter C. Lewis Fund | 25,000.00 |
| 1931 | Henry A. Page Fund<br>Bequest under will of Ellen Page Hall to be known as the "Henry A. Page Fund." | 30,000.00 |
| 1931/32 | George C. Pierce Fund<br>Bequest under will of Merrill L. Pierce to be known as the "George C. Pierce Fund." | 34,251.95 |
| 1931/45 | Bequest under Will of Elizabeth R. Stevens | 546,025.34 |
| 1934 | Bequest under Will of Hannah Hathaway Kimball | 1,000.00 |
| 1935 | Henry Clay Jackson Fund<br>Gift by the Trustees of the Paul Wilde Jackson Trust to be known as the "Henry Clay Jackson Fund." | 25,500.00 |
| 1936/39 | George W. Butterfield Fund<br>Bequest under will of Helen C. Butterfield to be known as the "George W. Butterfield Fund." | 1,009.19 |
| 1942/43 | Bequest under Will of Charles H. Beverly | 778.14 |
| 1945 | Ruey B. Stevens Fund | 1,000.00 |

# UNRESTRICTED BEQUESTS

| | | |
|---|---|---|
| 1914 | Allen, Caroline B. | $ 5,000.00 |
| 1942 | Allen, Perry O.<br>"In honor of Jessie Adell Allen Phelps" | 1,000.00 |
| 1930 | "Anonymous," from a patient of Dr. George S. Derby | 2,000.00 |
| 1941 | Applebee, Mrs. Louie G. | 500.00 |
| 1905 | Appleton, Emily W. | 2,000.00 |
| 1892 | Ashton, Elisha Vinton<br>Annual income from a trust established under his will. | |
| 1859 | Austin, Mrs. Agnes | 1,000.00 |
| 1914 | Bartlett, Francis | 10,000.00 |
| 1889 | Bartlett, Sidney | 5,000.00 |
| Prior to 1835 | Belknap, Jeremiah | 1,000.00 |
| Prior to 1835 | Belknap, Miss Mary | 1,000.00 |
| Prior to 1835 | Belknap, Sarah | 1,500.00 |
| 1930 | Bernstein, William | 100.00 |
| 1942 | Berry, George Y. | 200.00 |
| 1900/02 | Billings, Robert C. | 50,000.00 |
| 1938/41 | Bird, Harriet E. | 31,650.05 |
| 1929 | Black, George Nixon | 10,000.00 |
| 1943/44 | Blanchard, Mrs. Fannie Moorhead | 7,404.61 |
| 1873 | Blanchard, John A. | 1,000.00 |
| 1926 | Blodgett, Albert N.<br>Annual income from a trust established under his will. | |
| 1906 | Bolton, William T. | 552.22 |
| 1871 | Bordman, M. A. | 100.00 |
| 1910 | Boyd, George William | 5,000.00 |
| 1898/45 | Bradlee, Josiah Putnam | 269,132.53 |
| 1914/27 | Bradstreet, Mrs. Charlotte A. | 23,273.50 |
| 1942/44 | Brett, Miss Minnie Ward | 27,668.52 |
| 1934 | Brewster, William | 10,000.00 |
| 1941 | Briggs, Mrs. Clara H. | 3,000.00 |
| 1924 | Brigham, Robert B.<br>Annual income from a trust established under his will. | |
| 1936/38 | Brooks, Martha H. | 11,070.73 |
| 1885 | Brooks, Mrs. Susan O. | 1,000.00 |
| 1930 | Brown, Miss Annie H. | 20,000.00 |
| 1845 | Brown, John | 200.00 |

| | | |
|---|---|---|
| 1902/03 | Browne, Edward I. | 10,000.00 |
| 1904 | Center, Joseph H. | 1,000.00 |
| 1896 | Cheney, Benjamin P. | 2,000.00 |
| 1898 | Colburn, Eliza Ann | 5,000.00 |
| 1938 | Comee, Miss Lillian M. | 200.00 |
| 1933/42 | Cook, George Green | 6,598.98 |
| 1939 | Crosby, Mary Celia | 2,000.00 |
| 1938/39 | Crowell, Mary Louise | 12,582.41 |
| 1934 | Curtis, Louis | 2,500.00 |
| 1923 | Cushing, Herbert B. | 1,000.00 |
| 1877 | Dalton, Delia | 50.00 |
| 1861 | Dalton, P. R. | 500.00 |
| 1873 | deRohbinder, Elise | 87.50 |
| 1929 | Dix, John H. | 50.00 |
| 1944/45 | Downs, Jere A. | 15,145.00 |
| 1933/44 | Eaton, Lucy H. | 63,400.00 |
| 1933/39 | Eaton, Mary Agnes | 3,750.92 |
| 1929 | Eaton, William | 500.00 |
| 1923 | Estabrook, Arthur F. | 10,000.00 |
| 1925 | Estabrook, Mrs. Ida F. | 10,000.00 |
| 1904 | Farlow, John S. | 2,500.00 |
| 1933/34 | Field, Edward B. | 500.00 |
| 1940 | Gardner, George Peabody | 10,000.00 |
| 1896 | Glover, Albert | 1,000.00 |
| 1902 | Glover, Joseph B. | 5,000.00 |
| 1901 | Goddard, Rebecca A. | 500.00 |
| 1929/30 | Goldsmith, Benjamin H. | 1,824.67 |
| 1886/87 | Goldsmith, Mrs. Sophia P. | 759.84 |
| 1844 | Gossler, Gustavus | 1,000.00 |
| 1884 | Gray, Miss Ann E. | 1,000.00 |
| 1924/44 | Green, Charles G. | 42,483.75 |
| 1863 | Greene, B. D. | 2,000.00 |
| 1941 | Grout, Mrs. Zira R. | 5,000.00 |
| 1898 | Hagerty, Peter F. | 2,556.25 |
| 1941/43 | Haines, Alfred E. | 9,247.68 |
| 1874 | Hammond, Daniel | 509.17 |
| 1904 | Hayden, Charles H. | 50,000.00 |
| 1933 | Hazlett, John P. | 2,500.00 |
| 1884 | Homer, Albert | 60.50 |
| 1871 | Homer, Sidney | 1,000.00 |
| 1879 | Hovey, G. O. | 2,000.00 |
| 1873/74 | Hudson, Benjamin | 22,308.97 |
| 1889 | Hunt, Moses | 1,000.00 |
| 1940 | Hurd, Charles Russell | 500.00 |
| 1853 | Ingersoll, James | 1,000.00 |

| | | |
|---|---|---|
| 1836 | Jackson, Miss Sarah | 600.00 |
| 1871 | Joy, Miss Nabby | 5,000.00 |
| 1926 | Kimball, Miss Lulu S. | 3,000.00 |
| 1896 | Kimball, Moses | 5,000.00 |
| 1912 | Lamson, Miss Catherine M. | 2,000.00 |
| 1879/91 | Lane, Miss Henrietta | 7,114.71 |
| 1871 | Lawrence, Abbott | 1,500.00 |
| 1858 | Lawrence, Mrs. Susan | 500.00 |
| 1875 | Lee, Rebecca | 1,000.00 |
| 1868 | Loring, Mrs. Abigail | 5,017.33 |
| 1900 | Lowell, Augustus | 10,000.00 |
| 1909 | Lyman, Florence | 7,811.46 |
| 1939 | Mace, Marjorie J. | 1,000.00 |
| 1942 | Mann, Thomas D. | 100.00 |
| 1935 | McCrossen, Patrick H. | 25.00 |
| 1878 | McGregor, James | 1,000.00 |
| 1907 | Merriam, Charles | 5,000.00 |
| 1912 | Morse, Mrs. Samuel T. | 500.00 |
| 1940 | Morss, John Wells | 10,000.00 |
| 1924/30 | Moseley, Mrs. Frances A. | 31,782.50 |
| 1844 | Munson, Israel | 3,000.00 |
| 1943 | Murray, Mrs. Sarah Ella | 2,000.00 |
| 1935/39 | Newcomb, Miss Lucy | 976.25 |
| 1900/03 | Parker, Elizabeth P. | 27,220.16 |
| 1845 | Parker, John | 5,000.00 |
| 1924 | Parkman, Henry | 2,500.00 |
| 1935 | Parlin, Albert Norton, Trustees under Will Free Bed Fund | 25,000.00 |
| 1838 | Payne, William C. | 10,000.00 |
| 1940 | Peavy, Silas<br>Free Bed Fund | 1,000.00 |
| 1929 | Perkins, Isabella S. | 5,000.00 |
| 1900 | Peters, Edward D. | 500.00 |
| 1939 | Peters, G. Gorham<br>Annual income from a trust established under his will. | |
| 1860 | Phillips, Jonathan | 5,000.00 |
| 1863/64 | Pickens, John | 863.38 |
| 1941 | Pierce, Clara F. | 933.33 |
| 1906/07 | Potter, Sarah E. | 88,330.50 |
| 1878 | Powars, Eliza | 2,000.00 |
| 1915/27 | Pratt, Sarah E. | 2,988.34 |
| 1871 | Read, James | 500.00 |
| 1880 | Reynolds, J., legacy received through | 100.00 |

| | | |
|---|---|---|
| 1944 | Riley, Mrs. Agnes A. | 3,000.00 |
| 1927 | Riley, William J. | 5,000.00 |
| 1939 | Ross, Ellen H.<br>"In name and memory of my sister, Mary E. Haven." | 5,000.00 |
| 1912 | Rotch, Arthur | 14,326.30 |
| 1903 | Ruggles, Mrs. Mary Louisa | 3,000.00 |
| 1911/13 | Rust, Nancy E. | 2,640.00 |
| 1887/88 | Scholfield, Ann | 4,250.00 |
| 1891 | Scholfield, Joseph | 2,500.00 |
| 1942 | Sears, Herbert M. | 2,000.00 |
| 1944 | Seccomb, Edward O. | 1,000.00 |
| 1918 | Sewall, Richard Black | 25,000.00 |
| 1944 | Sias, Mrs. Alice E. | 25,000.00 |
| 1930 | Smith, Miss Ellen Vose | 29,793.70 |
| 1936 | Sohier, Emily L.<br>"To be added to the George Strong Derby Memorial Fund." | 3,000.00 |
| 1887 | Somes, Miss Abby | 5,000.00 |
| 1920 | Spencer, Aaron W. | 2,000.00 |
| 1925 | Sweeney, Christopher F. | 50.00 |
| 1894 | Sweetser, Mrs. Anne M. | 1,000.00 |
| 1884 | Swett, Mrs. Mary W. | 2,000.00 |
| 1944 | Sylvester, Edmund Q. | 1,000.00 |
| 1874 | Templeton, John | 5,000.00 |
| 1897 | Thayer, Mrs. Cornelia V. R. | 10,000.00 |
| 1942 | Thomas, John P. | 50.00 |
| 1923/28 | Thompson, Joseph | 3,761.09 |
| 1897 | Tileston, Charles | 2,797.30 |
| 1941 | Tucker, Lena A. | 5,000.00 |
| 1896 | Turner, Mary B. | 2,000.00 |
| 1921 | Upton, George B. | 5,000.00 |
| 1881 | Upton, Mrs. George B. | 500.00 |
| 1924 | Vialle, Charles A | 3,000.00 |
| 1920 | Vose, Abbie T. | 1,014.90 |
| 1914 | Wadleigh, Horace W. | 2,000.00 |
| 1845 | Waldo, Daniel | 6,000.00 |
| 1934 | Welton, John C. | 4,000.00 |
| 1916 | Wheelwright, John W. | 2,000.00 |
| 1902 | White, Susan J. | 10,000.00 |
| 1942 | Williams, Miss Emma Frances | 1,000.00 |
| 1935 | Willson, Mary A. | 3,000.00 |
| 1934 | Wilson, Mrs. Annie C. | 1,002.19 |
| 1912 | Wolcott, Mrs. Harriet Frothingham | 5,532.00 |
| 1932 | Woods, Henry D. | 5,000.00 |

| | | |
|---|---|---|
| 1897 | Wyman, Thomas T. | 20,000.00 |
| 1895 | Kettell, Catherine H.<br>Gift "In Memory of Louisa C. Kettell" | 300.00 |
| 1927/29 | One Hundredth Anniversary Campaign Fund | 406,107.80 |

## OPERATING ANALYSIS

| | *Year Ending Dec. 31, 1945* | *Year Ending Dec. 31, 1944* |
|---|---|---|
| Gross Hospital Income: | | |
| Income from Patients | $446,887.43 | $440,168.60 |
| Other Hospital Income | 23,173.50 | 16,655.15 |
| Total Gross Hospital Income | $470,060.93 | $456,823.75 |
| Deductions from Income: | | |
| Allowances to Patients | 50,278.64 | 54,779.08 |
| Provision for Bad Debts | 10,951.25 | 7,382.80 |
| Total Deductions | $ 61,229.89 | $ 62,161.88 |
| Net Income | $408,831.04 | $394,661.87 |
| Operating Expenses: | | |
| Salaries and Wages | 344,777.85 | 303,398.03 |
| Supplies and Expenses | 213,873.88 | 226,919.23 |
| Total Operating Expenses | $558,651.73 | $530,317.26 |
| Hospital Operating *Deficit* | *149,820.69* | *135,655.39* |
| Extra-ordinary Expenses | 19,095.14 | — |
| Total Hospital *Deficit* | *$168,915.83* | *$135,655.39* |

## STATISTICS

*January 1, 1945 to January 1, 1946*

| Number of Patients: | *In Ward Jan. 1, 1945* | *Admitted* | *Treated* | *Remaining Dec. 31, 1945* |
|---|---|---|---|---|
| Public Wards: | | | | |
| Eye | 46 | 1,930 | 1,976 | 50 |
| Ear | 17 | 399 | 416 | 7 |
| Nose and Throat | 19 | 1,702 | 1,721 | 15 |
| Total | 82 | 4,031 | 4,113 | 72 |
| Private Ward: | | | | |
| Eye | 23 | 1,033 | 1,056 | 28 |
| Ear | 3 | 113 | 116 | 1 |
| Nose and Throat | 3 | 1,024 | 1,027 | 9 |
| Total | 29 | 2,170 | 2,199 | 38 |
| Total Public and Private Wards 1945 | 111 | 6,201 | 6,312 | 110 |
| Total Public and Private Wards 1944 | 86 | 6,050 | 6,136 | 111 |

| | *1945* | *1944* |
|---|---|---|
| Patient Days in Public Wards | 34,889 | 36,014 |
| Patient Days in Private Ward | 13,449 | 12,597 |
| Total number of patient days | 48,338 | 48,611 |
| Average number of patients treated daily in Public Wards | 96 | 98 |
| Average number of patients treated daily in Private Ward | 37 | 34 |
| Average number of total patients treated daily | 133 | 132 |
| Average number of day patients remained in Public Wards | 8+ | 8+ |
| Average number of day patients remained in Private Ward | 6+ | 6+ |

## OPERATIONS

| | *1945* | *1944* |
|---|---|---|
| Public Ward: | | |
| Eye | 1,968 | 2,180 |
| Ear, Nose and Throat | 2,124 | 2,140 |
| Private Ward: | | |
| Eye | 842 | 686 |
| Ear, Nose and Throat | 779 | 725 |
| Total | 5,713 | 5,759 |

### *Per Capita Costs and Income per Day*

| | | |
|---|---|---|
| Cost not including special nurses:— | | |
| Public Wards | $8.07 | $7.62 |
| Private Ward | 7.62 | 7.35 |
| Of food all persons | .46 | .41 |
| Income from Special Services exclusive of special nurses: | | |
| Public Wards | 1.74 | 1.59 |
| Private Ward | 2.58 | 2.30 |

### *Condition of Public Ward Patients on Discharge*

| | *1945* | *1944* |
|---|---|---|
| Untreated | 0 | 0 |
| Against Advice | 9 | 10 |
| Died | 10 | 21 |
| Otherwise Discharged | 4,026 | 4,027 |
| Autopsies | 44% | 41% |

| Patients' Days Treatment (reckoned from discharge payments) | | *1945* | | *1944* |
|---|---|---|---|---|
| Full Pay | 72% | 25,773½ | 67% | 24,450½ |
| Part Pay | 13% | 4,736 | 17% | 6,059 |
| No Payment | 15% | 5,365½ | 16% | 5,599½ |
| Total | | 35,875 | | 36,109 |

| *Beds Available* | | *Percent Occupancy* |
|---|---|---|
| *Public Wards | 138 | 65% |
| **Isolation Ward | 18 | 32% |
| Total Public Wards | 156 | |
| Private Ward and Rooms | 42 | 88% |
| Total Beds | 198 | |

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*For a period of two months 28 beds in the Wards were unavailable due to reconstruction.

**The Isolation Ward has accomodations for 9 adults, 5 children and 4 infants. While the average occupancy of these beds and cribs during the last 10 years has been very low, there are periods when the accommodations are crowded.

## OUT-PATIENT DEPARTMENT

| | *New Patients* | *Revisits* | *Total Visits* |
|---|---|---|---|
| Eye | 5,422 | 33,648 | 39,070 |
| Ear | 2,643 | 15,757 | 18,400 |
| Nose and Throat | 1,724 | 8,738 | 10,462 |
| Total | 9,789 | 58,143 | 67,932 |

| | *1945* | *1944* |
|---|---|---|
| Daily average | 226 | 234 |
| Percentage of free visits | 20% | 20% |

## OPERATIONS

| | *Local Anesthesia* | *General Anesthesia* | *Total* |
|---|---|---|---|
| Eye | 596 | 54 | 650 |
| Ear | 4 | 210 | 214 |
| Nose and Throat | 594 | — | 594 |
| Total | 1,194 | 264 | 1,458 |

| | *1945* | *1944* |
|---|---|---|
| Patients treated in Emergency Ward | 4,662 | 4,715 |
| Patients admitted to House from Emergency Ward | 382 | 386 |

## COMPARATIVE TABLE OF ADMISSIONS

| | *Number of Patients Admitted to Wards* | *Total Patient Days Treatment* | *Operations* | *Out-Patient Department Visits* |
|---|---|---|---|---|
| 1936 | 7,366 | 54,639 | 7,164 | 96,784 |
| 1937 | 7,316 | 53,855 | 7,233 | 101,403 |
| 1938 | 7,332 | 53,547 | 7,378 | 100,465 |
| 1939 | 7,376 | 53,908 | 7,244 | 100,861 |
| 1940 | 7,042 | 52,685 | 6,738 | 96,350 |
| 1941 | 6,702 | 50,769 | 6,450 | 89,678 |
| 1942 | 6,436 | 48,438 | 6,183 | 84,370 |
| 1943 | 6,015 | 48,120 | 5,662 | 72,370 |
| 1944 | 6,050 | 48,611 | 5,759 | 70,595 |
| 1945 | 6,201 | 48,338 | 5,713 | 67,932 |

# Scientific Papers Published or Read by the Staff

## January 1, 1945 to January 1, 1946

## DEPARTMENT OF OPHTHALMOLOGY

"Eye Exercises—Do They Do Any Good? Do They Do Any Harm? Their Limitations." By Walter B. Lancaster, M.D. *Journal of School Health,* Vol. XV, No. 5, p. 112, May, 1945.

"The Present Status of Eye Exercises for Improving Visual Functions." By Walter B. Lancaster, M.D. *Canadian Journal of Optometry,* June 1945.

"Fictions or Misconceptions in Orthoptics." Discussion. By Walter B. Lancaster, M.D. *American Journal of Ophthalmology,* Vol. 28, No. 8, July 1945.

"School Lighting Standards." By Walter B. Lancaster, M.D. *Bulletin of Massachusetts Department of Public Health,* Contact Number, Vol. 11, No. 1, p. 2. December, 1945.

"New Light on Congenital Malformations." By Hugo B. C. Riemer, M.D. *Outlook for the Blind,* Vol. 39, No. 9, p. 253, November, 1945.

"Glaucoma." By Hugo B. C. Riemer, M.D. *Outlook for the Blind,* Vol. 29, No. 3, p. 72, March, 1945.

"Recurrent Erosion of the Cornea." By Paul A. Chandler, M.D. *American Journal of Ophthalmology,* Vol. 28, No. 4, April, 1945.

"Retrolental Fibroplasia in Premature Infants. V. Further Studies on Fibroplastic Overgrowth of Persistent Tunica Vasculosa Lentis." By Theodore L. Terry, M.D. *Archives of Ophthalmology,* Vol. 33, pp. 203-208, March, 1945.

"Ocular Maldevelopment in Extremely Premature Infants; Retrolental Fibroplasia VI. General Consideration." By Theodore L. Terry, M.D. *Journal of the American Medical Association,* Vol. 128, No. 8, pp. 582-584, June 23, 1945.

"A Visual Defect of the Prematurely Born Infant." By Theodore L. Terry, M.D. *Outlook for the Blind,* Vol. 39, No. 8, pp. 211-213., October, 1945.

"A Simple Test For Ocular Malingering." Major Trygve Gundersen, MC, AUS, *U. S. Army MTOUSA Medical Bulletin,* Vol. 3, pp. 53-54, February, 1945.

"Observations on the Vossius Ring." By Major Trygve Gundersen, MC, AUS. To be published in the Transactions of the American Ophthalmological Society.

## DEPARTMENT OF OTO-LARYNGOLOGY

"Neoplasms of the Ear." By LeRoy A. Schall, M.D. Textbook—*"Diseases of the Ear, Nose and Throat,"* Chevalier Jackson, M.D., editor. W. B. Saunders Company.

"Malignant Exophthalmos." By LeRoy A. Schall, M.D. and Daniel J. Reagan, M.D. Eastern Section of the American Rhinological, Otological and Laryngological Society, Philadelphia, Pennsylvania, January 12, 1945. *Annals of Otology, Rhinology and Laryngology,* Vol. 54, No. 1, p. 37, March 19, 1945.

"Deafness and What Can Be Done For It." By LeRoy A. Schall, M.D. Address before the Puerto Rico Medical Association, San Juan, P. R., December 13, 1945.

"Bronchoscopy as an Aid in Diagnosis." By LeRoy A. Schall, M.D. Address before the Puerto Rico Medical Association, San Juan, P. R., December 15, 1945.

"Stenosis of the Oropharynx." By Varaztad H. Kazanjian, M.D. *The Journal of Oral Surgery,* Vol. 3, pp. 164-169, April, 1945.

"Brief Labyrinthine Physiology for Residents as Part of Barany Instruction at the Massachusetts Eye and Ear Infirmary." By Francis L. Weille, M.D. *Annals of Otology, Rhinology and Laryngology,* Vol. 54, No. 1, p. 96, March, 1945.

"Penicillin in Otology." By Charles H. Allman, M.D. *The Journal of the American Medical Association,* Vol. 129, pp. 109-112, September 8, 1945.

"A New Treatment for Esophageal Obstruction Due to Meat Impaction." By John R. Richardson, M.D. *Annals of Otology, Rhinology and Laryngology,* Vol. 54, No. 2, p. 328, June, 1945.

"Microscopy of the Temporal Bone with Polarizing Films." By George Kelemen, M.D. *Annals of Otology, Rhinology and Laryngology,* Vol. 54, pp. 192-201, March, 1945.

"Microscopy and Photomicrography of the Temporal Bone with Polarizing Films." By George Keleman, M.D. *The Journal of the Biological Photographic Association,* Vol. 13, pp. 171-176, June, 1945.

"Clinical Observations on the Palatine Tonsils of the Aged." By George Kelemen, M.D. *Annals of Otology, Rhinology and Laryngology,* Vol. 54, pp. 421-435, June, 1945.

"Spontaneous Expulsion of a Foreign Body by Transmigration Through the Nasal Wall After 28 Years." By George Kelemen, M.D. *The Laryngoscope,* Vol. 55, pp. 375-379, July, 1945.

"Problems in Rhinology." By Daniel Miller, M.D. *Bulletin of the New England Medical Center,* Vol. 7, pp. 45-48, February, 1945.

# Publications of the Staff of Howe Laboratory of Ophthalmology

1. "Syndrome of Nonsyphilitis Interstitial Keratitis and Vestibuloauditory Symptoms." By David G. Cogan, M.D. *Archives of Ophthalmology,* Vol. 33, pp. 144-149, February, 1945.
2. "An Unusual Type of Keratitis Associated with Exposure to N-Butyl Alcohol (Butanol)." By David G. Cogan, M.D.; W. Morton Grant, M.D. *Archives of Ophthalmology,* Vol. 33, pp. 106-109, Feb. 1945.

# Directory

## MEMBERS OF INFIRMARY STAFF, ALUMNI AND RESIDENTS

Names of active members of the Infirmary Staff are printed in capital letters.

Italics following the name indicate to what service of the Infirmary the individual belongs:—

*Bron.;* Bronchoscopy
*Esoph.;* Esophagoscopy
*M.;* Manager
*Oph.;* Ophthalmology
*Oto-Lar.;* Oto-Laryngology

*Letters in small type preceding the italics indicate the special work of the individual:—*

a.; assistant
an.; anesthetist
assoc.; associate
c.; chief of service
cl.; clinical
cons.; consulting
dir.; director
e.; extern
exec. a.; executive assistant
path.; pathologist
r.; resident
ront., roentgenologist
s.; surgeon
s.p.o.; surgeon for plastic operations
s.t.c.; surgeon assigned to Tumor Clinic

Addresses are in Boston unless stated to be elsewhere; and are in Massachusetts when no State is indicated.

The following list is correct to the best of our knowledge and belief. If there are any inaccuracies or omissions we would be glad to have these brought to our attention.

Albaugh, Clarence H., *Oph.* 1940
727 W. 7th, Los Angeles, Cal.

Alexander, Seeyman L., *Aural,* 1919
170 St. George, Toronto, Ont., Can.

Allen, John H., *Aural,* 1904
Cape Elizabeth, Maine

ALLMAN, CHARLES H., a.s., *Oto-Lar.* (*Oto-Lar.* 1930)
520 Commonwealth Ave.

Amberg, Emil, *Aural.* 1897.
1244 West Boston Boulevard,
Detroit, Mich.

Anthony, Alan R., *Oph.* 1936.
736 Granville, Vancouver,
British Columbia, Can.

Anthony, Marc, *Oph.* 1929
Westminster Apts.,
Spokane, Washington

AYASH, JOHN J., r. *Oto-Lar.*

Aylesworth, Frederick A., *Oph.* 1916
Suite 1001 Medical Arts Bldg.,
Toronto, Ontario, Can.

BAHN, GUSTAV C., ex. *Oph.*

Bair, Hugo L., *Oph.* 1932
Mayo Clinic, Rochester, Minn.

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* On leave of absence because of military service.

*Ballenger, John J. *Oto-Lar.* 1943.

Barnes, Harry A., con. s., *Oto-Lar.*
61 Church, Dedham

*Barton, Richard T., *Oto-Lar.* 1945

Bassen, Edward J., *Oph.* 1928
654 Madison Ave., N. Y. C.

Baur, Frederick E., *Aural* 1902
43 Grande Ave., Milwaukee, Wis.

Beecher, Henry, an. M. G. H.

BEETHAM, WILLIAM P., s., *Oph.*
(*Oph.* 1929) 108 Bay State Road

Benedict, Edward B., cl.a., *Bron. & Esoph.* M. G. H.

Berry, Gordon, *Aural* 1910
36 Pleasant, Worcester

BIRDSALL, CLARENCE H., cl.a. *Oph.* (*Aural* 1916; *Oph.* 1918)
26 Summer, Haverhill

Black, Daniel E., *Oto-Lar.* 1944.
26 Lake, Nashua, N. H.

Blaisdell, Irl H., *Oto-Lar.* 1939
Medical Arts Bldg., Syracuse, N. Y.

BOBBETT, GORDON H., r. *Oto-Lar.*

Bogan, Frederick L., con.s. *Oto. & Lar.,* (*Aural* 1908) 249 River, Milton

Boies, Lawrence, R., *Oto-Lar.* 1931
1937 Medical Arts Bldg.,
Minneapolis, Minn.

BRACONIER, HARRY E., Sr. cl. a. *Oph.,* (*Oph.* 1945) 264 Beacon

BRADY, FRANK W., cl.a. *Oto-Lar.,* (*Oto-Lar.* 1942)
8 Merrimac, Lowell

Brawner, Leon E., *Oto-Lar.* 1925.
384 Peachtree, Atlanta, Ga.

Briggs, Wallace R., *Oph.* 1920.
229 M, Sacramento, Cal.

Brown, Lester A., Jr., *Oto.-Lar.* 1937
478 Peachtree, Atlanta, Ga.

Bryan, Burton D., *Oto-Lar.* 1943
151 Rock, Fall River

BURGER, FRANKLYN D., sr.cl.a. *Oph.* (*Oph.* 1941)
403 Commonwealth Ave.

Burke, J. Robert, *Oph.* 1918; *Aural* 1919 207 Elm, Holyoke

Cameron, Walter C., *Oph.* 1930
1103 Medical Arts Bldg.,
Tacoma, Wash.

Candray, Carlos H., *Oph.* 1944
San Salvador, El Salvador

CAPELES, THOMAS F., cl.a., *Oph.* (*Oph.* 1915; *Aural* 1916)
191 Merrimac, Haverhill

Caron, Armand L., *Oto-Lar.* 1927
36 Pleasant, Worcester

Carroll, Frank D., *Oph.* 1935
635 W. 165th, N. Y. C.

Carroll, Henry G., *Oph.* 1911
270 Commonwealth Ave.

CARROLL, WALTER J. E., *Oto-Lar.*
5 Chestnut, Arlington

Carter, Leland F., *Oph.* 1926
1553 Woodward Ave.,
Detroit, Mich.

Case, Paul H., *Oph.* 1938
418 Professional Bldg.,
Phoenix, Arizona

*CASTEN, VIRGIL G., s. *Oph.;* (*Oph.* 1931)
520 Commonwealth Ave.

CAVANAUGH, THOMAS, sr.cl.a. *Oph.* (*Oph.* 1940)
395 Commonwealth Ave.

Cave, Linus S., *Oto-Lar.* 1927
Physician's Bldg., Syracuse, N. Y.

CERRATO, CALVIN M., cl.a. *Oto-Lar.* (*Oto-Lar.* 1944)
520 Commonwealth Ave.

CHAMBERLAIN, CALVIN B., sr.cl.a. *Oph.,* (*Oph.* 1944)
5 Bay State Road

Chandler, H. Beckles, Jr., *Oph.* 1912
34½ Beacon

CHANDLER, PAUL A., s. *Oph.* (*Oph.* 1925) 5 Bay State Road

CHISHOLM, JULIAN F., JR., sr.cl.a. *Oph.* 45 Bay State Road

Clap, Edmund W., con.s. *Oph. Oph.* 1899 395 Commonwealth Ave.

Clarke, Samuel T., *Oph.* 1939
240 W. First, Reno, Nev.

CLOUGH, JOSEPH M., sr.cl.a. *Oph.,* (*Oto-Lar.* 1939; *Oph.* 1941)
101 Bay State Road

COGAN, DAVID G., asso. s. *Oph.;* dir. Howe Lab., (*Oph.* 1935)
243 Charles

Cogan, James R., *Oph.* 1944
444 N. Bedford Drive,
Beverly Hills, Calif.

COLLINSON, A. WILLIAM, sr.cl.a. *Oph.* 226 Bay State Road

*Converse, John M., *Oto-Lar.* 1938
121 E. 60th, New York, N. Y.

Cooper, Kemp G., *Oto-Lar.* 1930
1516 Cook, Denver, Col.

Cordray, David P., cl.a. *Oto-Lar.;* (*Oto-Lar.* 1940) 1912 Spruce,
Philadelphia, Pa.

COVITZ, EDWARD E., a.s. *Oph.*
475 Commonwealth Ave.

Coyle, John A., *Oph.* 1931
Norwich, Vermont

Crewson, Arthur L., *Oto-Lar.* 1927
132 Second, West,
Cornwall, Ontario, Can.

DAME, LAWRENCE R., cl.a. *Oph.*
78 Federal, Greenfield

Davidson, Herman P., *Oph.* 1920
30 North Michigan Ave.,
Chicago, Ill.

Day, Kenneth, *Oto-Lar.* 1924
121 University Place, Pittsburg, Pa.

Dean, Abbott W., *Oph.* 1929
424 Oakland Ave.,
Council Bluffs, Iowa

DE BLOIS, ELIZABETH, cl.a. *Oto-Lar.* 247 Commonwealth Ave.

DONAHUE, HUGH C., a.s. *Oph.*, (*Oph.* 1931)
520 Commonwealth Ave.

DONOGHUE, WILLIAM F., cl.a. *Oph.* (*Oto-Lar.* 1942; *Oph.* 1944)
69 Chestnut, Springfield

Dowling, Joseph L., *Oph.* 1918.
57 Jackson, Providence, R. I.

DROOKER, JOSHUA C., cl.a. *Oto-Lar.*; (*Oto-Lar.* 1939)
20 Charlesgate West

Drury, Dana W., *Aural* 1906
483 Beacon

*Duclos, Gaston N., (*Oto-Lar.* 1943; *Oph.* 1945)

DUEST, LLOYD J., cl.a. *Oph.*
227 Union, New Bedford

DUNPHY, EDWIN B., c. *Oph.*; (*Oph.* 1923) 243 Charles

EASTON, MAHLON T., a.s. *Oph.* (*Oph.* 1936) 264 Beacon

Ellis, Edward K., con.s. *Oph.* (*Oph.* 1905) 412 Beacon

ERNLUND, CARL H., s.t.c.; (*Oto-Lar.* 1927) 5 Bay State Road

EVANS, MAURICE G., assoc. s. *Oto-Lar.*; (*Oto-Lar.* 1928)
416 Marlborough

Evans, William H., *Oph.* 1924
510 Dollar Bank Bldg.,
Youngstown, Ohio

Farrell, James I., *Oph.* 1932
Kempf Bldg., Utica, N. Y.

FAUNCE, CALVIN B., con.s. *Oto & Lar.*; (*Aural* 1907)
290 Commonwealth Ave.

FAXON, NATHANIEL W., dir., M.E. & E.I.

Filmer, George A., *Oph.* 1939
530 Metropolitan Bldg.,
Denver, Colo.

Fisher, Stanwood E., *Aural* 1909
338 Spring, Portland, Me.

Foote, Charles M., *Oph.* 1940
412 North Hastings Ave.,
Hastings, Neb.

Frackelton, Ralph J., *Oto-Lar.* 1933
15701 Detroit Ave., Lakewood, Ohio

Franklin, C. Ray, *Oph.* 1931
166th & Broadway, N. Y. C., N. Y.

FRAZEE, JOHN R., a.s. *Oto-Lar.*, (*Oto-Lar.* 1934) 311 Beacon

FRED, GUSTAVE B., s. *Oto-Lar.*, (*Oto-Lar.* 1925) 520 Beacon

Fultz, William E., *Oph.* 1927
45 Kaye, Halifax, N. S., Can.

Gabriels, Joseph A. C., *Oph.* 1921
435 State, Albany, N. Y.

Garland, Frederick E., cons. s. *Oto-Lar.*
483 Beacon

GAUDREAU, HONORÉ E., cl. a. *Oph.*; (*Oph.* 1930)
293 Bridge, Springfield

Gaus, Louis, *Oph.* 1921
Ticonderoga, N. Y.

*GAVOLIO, FRANK, cl.a. *Oto-Lar.*
407 Moody, Waltham

Germain, Harry H., *Oph.* 1899
479 Commonwealth Ave.

Gibson, Arthur C., *Aural* 1921
516 Sutter, San Francisco, Cal.

Gifford, Harold, Jr., *Oph.* 1934
1620 Medical Arts Bldg.,
Omaha, Neb.

Gilbert, John J., *Oph.* 1917; *Aural*, 1920 221 Thayer, Providence, R. I.

Gillespie, Elmer H., *Oto-Lar.* 1932

Goduti, Richard J., *Oph.* 1946.
704 Congress, Portland, Maine

Goldman, A. Milton, *Oph.* 1924
Rockville Centre, N. Y.

Goodale, Joseph L., cons. s. *Oto-Lar.*
Ipswich

GOODALE, ROBERT L., asso. s. *Oto-Lar.*, (*Oto-Lar.* 1926)
330 Dartmouth

Goodall, Edwin B., cons.s. *Oph.* (*Oph.* 1918) 71 Bay State Road

Goodell, William, *Aural* 1906
121 Chestnut, Springfield

Goray, James P., *Oph.* 1897
58 Day, Fitchburg

Gray, Gerald H., *Oto-Lar.* 1929
420 Mountain Ave., Piedmont, Cal.
GROSSMAN, HERMAN P., a. s. *Oph.;* (*Oph.* 1934)
210 Angell, Providence, R. I.
GUIMARÃES, JOÃO C., r. *Oto-Lar.*
GUNDERSEN, TRYGVE, s. *Oph.* (*Oph.* 1930) 101 Bay State Road
Hacking, Raymond F., *Oph.* 1927
105 Waterman, Providence, R. I.
HAIRE, PAUL G., a.s. *Oph.*
6 Pleasant, Malden
Halton, Edward J., *Oto-Lar.* 1942
56 Suffolk, Holyoke
HAPP, LINLEY C., sr.cl.a. *Oph.;* (*Oto-Lar.* 1931; *Oph.* 1943)
199 Thayer, Providence, R. I.
Hawkins, Henry, cons. s. *Oph.* (*Oph.* 1909) 394 Marlborough
Heffernan, David A., *Oph.* 1904
270 Commonwealth Ave.
Heine, Lyman H., *Oto-Lar.* 1927
1535 N. Broad, Freemont, Nebr.
Hennessey, William W., *Aural* 1908
33 Essex, Salem
Hill, Frederick T., *Aural* 1916
111 Main, Waterville, Me.
HILL, FRANCIS S., a. dir.
M. E. & E. I.
Hobart, Carl, *Oph.* 1922
518 Metropolitan Bldg.,
St. Louis, Mo.
Hollabaugh, Charles F., *Oph.* 1932
Doctors' Bldg., Nashville, Tenn.
HOLMES, EDGAR M., a.s. *Oto-Lar.* (*Oto-Lar.* 1934)
330 Dartmouth
Hoople, Gordon D., *Oto-Lar.* 1926
Medical Arts Bldg., Syracuse, N. Y.
Houston, G. Gilbert, *Oto-Lar.* 1938
10 West, Charlottetown,
P. E. I., Can.
HUTCHINSON, RUTH M., ex. a.
M. E. & E. I.
Ireland, Percy E., *Oto-Lar.* 1935
170 St. George, Toronto,
Ontario, Canada
Irgens, Edwin R., *Oto-Lar.* 1938
Waterville, Maine
IRVINE, A. RAY. JR., r. *Oph.*
Irvine, S. Rodman, *Oph.* 1935
700 Roosevelt Bldg.,
Los Angeles, Cal.
Irvine, Wendell C., *Oph.* 1941
700 Roosevelt Bldg.,
Los Angeles, Cal.
Jack, Frederick L., cons. s. *Oto. & Lar.,* (*Aural* 1884) 215 Beacon
Jennings, John G., cons. s. *Oph.,* (*Oph.* 1917) 826 Main, Waltham
JESBERG, NORMAN, r. *Oto-Lar.*
JOHNSON, CARL C, sr.cl.a. *Oph.;* (*Oph.* 1942) 5 Bay State Road
JOHNSON, CHARLES I., assoc. s. *Oto-Lar.;* (*Oto-Lar.* 1929)
403 Commonwealth Ave.
Johnson, Lorand V., *Oph.* 1937
2065 Adelbert Road,
Cleveland, Ohio
Jones, Edward E., *Oto-Lar.* 1928
141 W. Elm, Brockton
Judd, Delbert K., *Oto-Lar.* 1934
423 Arcade Bldg., Kankahee, Ill.
KAZANJIAN, KENNETH, cl.a. *Oto-Lar.* 475 Commonwealth Ave.
KAZANJIAN, VARAZTAD H., s.p.o. *Oto-Lar. & Oph.*
475 Commonwealth Ave.
Kearny, Richard A., *Aural & Lar.* 1921
2311 Connecticut Ave.,
Washington, D. C.
KELEMEN, GEORGE, cl.a. *Oto-Lar.*
414 Beacon
KELLEY, VINCENT J., a.s. *Oto-Lar.*
520 Commonwealth Ave.
KENT, CHARLES, cl.a. *Oto-Lar.*
270 Commonwealth Ave.
Kennedy, Michael F., *Oph.* 1927
1835 I, N.W., Washington, D. C.
Kerst, J. Arthur, *Oph.* 1934
Leland Office Bldg., E. Capitol
Ave., Springfield, Ill.
KING, MERRILL J., asso.s. *Oph.* (Oph. 1932) 264 Beacon
Kos, Clair M., *Oto-Lar.* 1941
Duke University,
Durham, North Carolina
Lancaster, Walter B., cons.s. *Oph.*
520 Commonwealth Ave.
Langworthy, Henry G., *Aural* 1907
10th and Bluff, Dubuque, Iowa
LAWLOR, EDWARD R., cl. a. *Oto-Lar.,* (Oto-Lar. 1941)
267 Moody, Waltham
LEAHEY, BRENDAN D., a.s. *Oph.; Oph.* 1933 9 Central, Lowell
LECONTE, CHARLES M., r. *Oto-Lar.*

Lemoine, Albert N., *Oph.* 1923
1100 Rialto Bldg., Kansas City, Mo.
LEMOINE, ALBERT N., JR., cl.a. *Oph.,* (Oph. 1945)
LENTINE, JOSEPH, cl. a. *Oto-Lar.,* (*Oto-Lar.* 1935)
Levitt, Jesse M., *Oph.* 1933
Fletcher Gen. Hospital,
Cambridge, Ohio
LEWIS, DONALD K., a.s. *Oto-Lar.,* (*Oto-Lar.* 1943) 243 Charles
LIEBMAN, SUMNER D., sr.cl.a. *Oph.* (*Oph.* 1943)
115 Bay State Road
Liebman, William, *Oph.* 1911
115 Bay State Road
Lodge, Edmund A., *Oto-Lar.* 1924
LO-PRESTI, JOSEPH J., sr.cl. a. *Oph.*
45 Bay State Road
Loring, Robert G., *Oph.* 1900 Retired
Lothrop, Oliver A., *Aural* 1911
101 Beacon
Lougee, John L., *Aural* 1909
475 Commonwealth Ave.
Lovely, David K., *Oto-Lar.* 1946
73 Deering, Portland, Maine
LOVESEY, BURTON E., a.s. *Oto-Lar.;* (*Oto-Lar.* 1935)
76 Bay State Road
LURIE, MOSES H., s. *Oto-Lar.*
483 Beacon
Lynch, Mercer G., *Oto-Lar.* 1936
1567 Exposition Blvd.,
New Orleans, La.
MacDonald, Alexander E., *Oph.* 1923
170 St. George, Toronto,
Ontario, Can.
*MACDONALD, DONALD H., cl.a. *Oto-Lar.* (*Oto-Lar.* 1930)
Machamer, R. Wenner, *Oto-Lar.* 1945
119 E 74th, New York City
MacKechnie, William G., *Aural* 1918
Mackenzie, Roland C., *Oph.* 1911
30 Grant, Waltham
MacLAUGHLIN, CHARLES H., r. *Oph.*
MacMillan, Andrew L., Jr., *Aural* 1912
46 Pleasant, Concord, N. H.
MACMILLAN, ALEXANDER S., ront. 483 Beacon
Macnie, John P., *Oph.* 1929
635 W 165th, New York City, N. Y.
Mallory, Tracy B., cons. path.
M. G. H.
Mansur, Leon Wallace, *Oph.* 1898
Retired—Valley Center, Cal.
MARTIN, S. FORREST, a.s. *Oph.* (*Oph.* 1938) 101 Bay State Road
Mattis, Robert Dean, *Oph.* 1942
634 N. Grand Blvd.,
St. Louis 3, Missouri
McAuley, Albert G., *Oph.* 1915
1301 Dorchester, West,
Montreal, Quebec, Can.
McCabe, Frank J., *Oph.* 1916
204 Angell, Providence, R. I.
McCall, Robert E., *Oto-Lar.* 1941
236 S. Main, Marion, N. C.
McCLINTOCK, WALTER L., cl.a. *Oto-Lar.* (*Oto-Lar.* 1938)
1245 Hancock, Quincy
McCusker, John J., *Oph.* 1897
382 Broad, Providence, R. I.
McDonald, Samuel J., cons.s. *Oph.;* (*Oph.* 1902)
290 Commonwealth Ave.
McENEANEY, JOSEPH P., r. *Oto-Lar.*
McGuigan, G. Edmund, *Oph.* 1924
116 W. Market, York, Pa.
McIntire, Frederic J. *Oph.* 1910
63 North Common, Lynn
*McKenzie, Rodney J., *Oto-Lar.* 1942
McLeod, Angus M., *Oto-Lar.* 1932
Medical Arts Bldg., Toronto,
Ontario, Can.
McLeod, John, *Oph.* 1930
900 Argyle Bldg.,
Kansas City, Missouri
Meek, Raymond E., *Oph.* 1926
729 Park Ave., New York City
MELTZER, PHILIP E., s. *Oto-Lar.,* (*Aural* 1919) 20 Charlesgate West
Merritt, Robert E., *Oph.* 1920
Retired—Valley Center, Cal.
Mertins, Paul S., *Oto-Lar.* 1936
17 Galen, Montgomery, Ala.
MESSENGER, HARRY K., a.s. *Oph.,* (*Oph.* 1934)
313 Commonwealth Ave.
Meyer, Monto F., *Oph.* 1919
904 Canal Bank Bldg.,
New Orleans, La.
*Miles, Nathan E., *Oph.* 1937.
MILLER, DANIEL, cl.a. *Oto-Lar.;* (*Oto-Lar.* 1943)
20 Charlesgate West
MILLS, LLOYD, II., r. *Oph.*
Moore, Donald E., *Oph.* 1937
417 Medical Arts Bldg.,
Syracuse, N. Y.
*Moore, Edward E., *Oph.* 1944

Moore, Fontaine, B., *Aural* 1914
Moore, James A., *Oto-Lar.* 1940
530 E. 90th, New York 28, N. Y.
*MORRISSEY, ARTHUR M., cl.a. *Oph.*
*Moorman, John D., *Oph.* 1939
Times Bldg., Huntsville, Ala.
Mosher, Harris P., cons.s. *Oto.* & *Lar.*
127 Front, Marblehead
*Mosher, Henry A., *Oph.* 1941
Motley, Frederic E., *Oto-Lar.* 1925
Charlotte Eye, Ear, Nose & Throat Hospital, Charlotte, N. C.
MOULTON, EVERETT C., JR., ex. *Oph.*
MUELLER, WERNER, a.s. *Oto-Lar.,* (*Oto-Lar.* 1933) 412 Beacon
Murphy, Edward M., *Oph.* 1915
9 Central, Lowell
Murphy, William E., *Oto-Lar.* 1933
Slater Bldg., Worcester
Myers, Roscoe W., *Oph.* 1927
36 Pleasant, Worcester
Myers, Stanley A., *Oto-Lar.* 1937
39 Hilton Ave., Youngstown, Ohio
MYSEL, PHILIP, assoc. s. *Oto-Lar.*
483 Beacon
Nicholson, Harry M., *Aural* 1913
101 James South, Hamilton, Ontario, Can.
O'Connell, John D., *Oph.* 1943
50 Farmington Ave., Hartford, Conn.
O'CONNOR, MICHAEL JAMES, r. *Oph.*
O'Connor, Michael John, *Aural* & *Lar.* 1923
105 Waterman, Providence, R. I.
OFFENBACH, BERTHA, cl.a. *Oph.*
270 Commonwealth Ave.
*Ogden, Frederic W., *Oto-Lar.* 1942
Olds, Bomar A., *Oto-Lar.* 1929
26 Linden Ave. N.E., Atlanta, Ga.
OLSEN, HENRIETTA I., exec.a.
M. E. & E. I.
PETERSON, WALBORG L., exec.a.
M. E. & E. I.
Parker, Harry C., *Oph.* 1902
POIRIER, GEORGE H., s. *Oto-Lar.*
60 Bay State Road
POLLEN, ABRAHAM, sr.cl.a. *Oph.;* (*Oph.* 1944)
64 Washington Ave., Chelsea
*Pollock, Frederic J., *Oto-Lar.* 1935
Price, F. Raymond, *Oph.* 1936
118 Rutledge Ave., Charleston, S. C.
Provost, Adolphe J., *Oto-Lar.* 1927
36 Lowell, Manchester, N. H.
Prudhon, Charles A., *Oto-Lar.* 1930
168 Sterling, Watertown, N. Y.
Quevedo, A. Arturo, *Oph.* 1933
4a Ave. Sur 19, Guatemala City, Guatemala, C. A.
Quevedo, Julio, *Oto-Lar.* 1941
15 C.O. 5, Guatemala City, Guatemala, C. A.
QUINCY, JOSIAH E., a.s. *Oto-Lar.* (*Oto-Lar.* 1926)
270 Commonwealth Ave.
Raynes, Alphonse F., *Oph.* 1923
16 Market Sq., Portsmouth, N. H.
*REAGAN, DANIEL J., sr.cl.a. *Oph.* (*Oph.* 1943; Oto-Lar. 1944)
Rice, John D., *Oto.-Lar.* 1943
390 Main, Worcester
Rice, Theodore A., *Oph.* 1942
390 Main, Worcester
Richards, Lyman G., *Oto-Lar.* 1924
319 Longwood Ave., Boston
RICHARDSON, JOHN R., a.s. *Oto-Lar.;* (*Oto-Lar.* 1935)
403 Commonwealth Ave.
Riemer, Hugo B. C., cons.s. *Oph.*
29 Commonwealth Ave.
*Riemer, Karl, *Oph.* 1943
ROBERTSON, ANNIE M., a.to dir. M.E. & E.I.
*Roopenian, Aram, *Oto-Lar.* 1944
*Ross, Percy Jay, *Oto-Lar.* 1934
1045 Michigan Ave., Chicago, Ill.
Rothwell, Stephen G., *Oto-Lar.* 1925
100 Eighth, New Bedford
RUGGLES, RALPH H., assoc. s. *Oph.;* (*Oph.* 1920) 394 Marlborough
Ruggles, Roger L., *Oto-Lar.* 1932
80 Elm, Westfield.
RUNGE, PAUL M., sr.cl.a. *Oph.*
47 W. Elm, Brockton
Ryder, George H., *Oph.* 1901
968 Hancock, Quincy
SACHS, BENJAMIN, s. *Oph.;* (*Oph.* 1925) 520 Beacon
*Sainsbury, Augustus W., *Oto-Lar.* 1943
42 N. Main, Canandaigua, N. Y.
Sargent, Francis B., *Aural* & *Lar.* 1923
124 Waterman, Providence, R. I.
Savage, Ross E., *Oph.* 1910
Gloucester
Scarney, Herman D., *Oph.* 1928
573 Fisher Bldg., Detroit, Mich.

SCHALL, LeROY A., c. *Oto-Lar.* 243 Charles

Schnebly, J. Thomas, *Oph.* 1936 508 Farragut Medical Bldg., Washington, D. C.

SEALE, EARL S., sr.cl. a. *Oph.;* (*Oph.* 1940) 108 Bay State Road

SENECAL, ALPHONSE L., cl.a. *Oto-Lar.* 1 Monument Sq., Beverly

Shambaugh, George E., Jr., *Oto-Lar.* 1932 122 S. Michigan Blvd., Chicago, Ill.

*SHEEHAN, LINUS A., sr.cl.a. *Oph.* 1943 21 Phillips, Providence, R. I.

SHLOSSBERG, FRANK R., cl.a. *Oto-Lar.* 116 Emerson, Haverhill

*Skilling, Francis C., *Oph.* 1933 401 Ingram Bldg., Miami, Fla.

*Slaughter, Earl C., *Oto-Lar.* 1940

SLOANE, ALBERT E., a.s. *Oph.* 416 Marlborough

*Smith, Harold D., *Oto-Lar.* 1937 342 Investment Bldg., Pomona, Cal.

SNOW, ROBERT G., cl. Oto-Lar. *Oto-Lar.* 1940

Sowers, Martin L., *Aural* & *Lar.* 1922 Crossway Apts., Far Rockaway, N. Y.

Spratt, Charles N., *Oph.* 1904 785 9th, Minneapolis, Minn.

STEPHENS, H. FREDERICK, sr. cl. a. *Oph.* (*Oph.* 1939) 195 Thayer, Providence, R. I.

STERNSTEIN, HERMAN J., cl.a. *Oto-Lar.* 416 Marlborough

SULLIVAN, GARRETT L., a.s. *Oph.* (*Oph.* 1938) 101 Bay State Road

SWENSON, RUDOLPH E., cl.a. *Oto-Lar.* 1 Carver, Plymouth

Tegelberg, Julius, *Oto-Lar.* 1931 390 Main, Worcester

TERRY, THEODORE L., s. *Oph.;* path. (*Oph.* 1928) 140 Marlborough

THOMAS, JOHN H., *Oto-Lar.* 1944; r. *Oph.*

Thompson, Peter Hunter, cons.s. *Oph.* (Oph. 1902) 308 Commonwealth Ave.

THORNE, FRED S., s. *Oph.* 270 Commonwealth Ave.

TOBEY, HAROLD G., s. *Oto-Lar.,* (*Aural* 1915) 403 Commonwealth Ave.

Toot, J. Frederick, *Oph.* 1922 520 First National Bank Bldg., Canton, Ohio

Twitchell, Marshall C., *Oph.* 1941 217 S. Union, Burlington, Vt.

Vail, Derrick T., *Oph.* 1924 Northwestern Univ. Medical School, Chicago, Ill.

Verhoeff, Frederick H., cons. c. *Oph.* 395 Commonwealth Ave.

Viger, Roland J., *Oph.* 1937 1414 Drummond, Montreal, Quebec, Canada

Waite, J. Herbert, cons.s. *Oph.* (*Oph.* 1923) 7 Bay State Road

Wales, Ernest DeW., *Aural* 1902 1236 N. Pennsylvania, Indianapolis, Ind.

Walker, D. Harold, cons.s. *Oto-Lar.,* M., (*Aural* 1902) 5 Bay State Road

*Wattles, F. Merrill, *Oto-Lar.* 1938 501 N. 3rd., Palatke, Fla.

Webster, Franklin R., *Oph.* 1926 810 State Tower Bldg., Syracuse, N. Y.

WEILLE, FRANCIS L., assoc.s. *Oto-Lar.,* (*Oto-Lar.* 1929) 247 Commonwealth Ave.

Weisman, Herman J., *Oto-Lar.* 1944 76 Limerock, Rockland, Me.

WEST, FRANCIS J., r. *Oph.*

White, Leon E., cons. s. *Oto-Lar.* (*Aural* & *Lar.* 1923) 390 Commonwealth Ave.

WHITNEY, RAYMOND C., cl. a. *Oph.,* (*Oph.* 1922) 227 Union, New Bedford

Wilkins, Samuel H., cons.s. *Oph.* 270 Commonwealth Ave.

Willis, Harry C., *Aural* & *Lar.* 1923 216 E. Nash, Wilson, N. C.

Winkler, Herman A., *Oto-Lar.* 1926 224 Thayer, Providence, R. I.

Wishart, David E. S.,*Aural* & *Lar.* 1922 47 Grosvenor, Toronto, Ontario, Can.

Wright, Clarence F., *Oto-Lar.* 1931 86 Bloor West, Toronto, Ont., Can.

Wright, Edward N., *Oto-Lar.* 1933 210 Public Utilities Bldg., Port Arthur, Ontario, Can.

ZANEK, OTTO L., r. *Oph.*

ZONDERMAN, BERNARD, r. *Oto-Lar.*

## Form of a Bequest to the Infirmary

*I give and bequeath to the Massachusetts Eye and Ear Infirmary of Boston, the sum of*

*dollars, to be applied to the uses of said Infirmary.*

J. HOLLER
BINDER
[illegible] MASS.